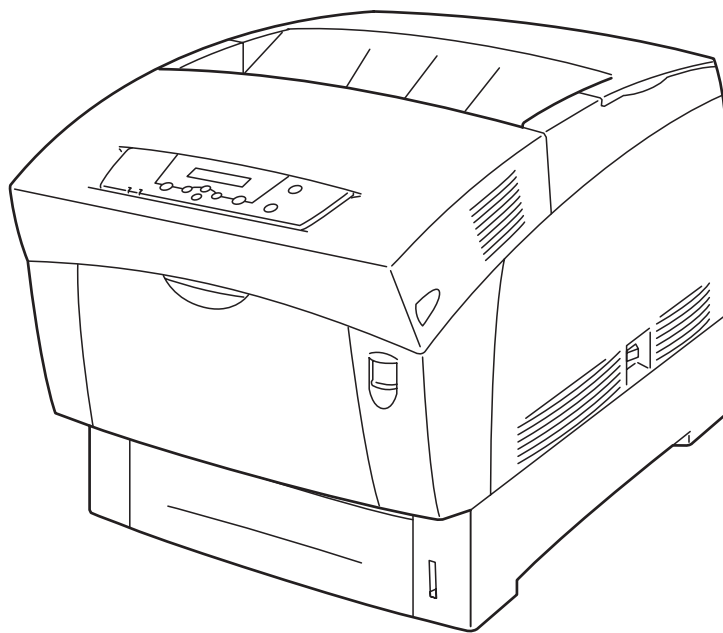


GCC Elite Color 16 Series Printer

User's Guide



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Contents

Contents

Preface 1

About this Manual 2

- Scope 2
- Overview 2
- Printer Orientation 3

About the Printer 3

- Features 3
- Available Configuration 4

Safety Precautions 4

- Conventions 5
- Installing and Relocating Your Printer 5
- Other Precautions 7
- Precautions for Power and Ground Connections 7
- Cautions 8
- Other Precautions 9
- Operating Precautions 9
- Notes on Handling Consumables 11

Chapter 1 Unpacking and Installing the Printer 1-1

Positioning the Printer 1-2

- Installation Environment 1-2
- Minimum Installation Clearances 1-3

Accessories 1-4

Transporting the Printer 1-7

Installation Procedure 1-8

- Removing the Packing Tape 1-8
- Removing the Spacers 1-9
- Installing the Drum Cartridge 1-12
- Installing the Toner Cartridges 1-15
- Loading Paper 1-19
- Installing the Tray Cover 1-23
- Connecting the Power Cord 1-23

Turning the Printer On 1-24

Selecting a Display Language 1-25

Adjusting Color Registration 1-26

- Adjusting Printer Alignment Settings 1-27

Installing Printer Drivers and Locating User Documentation 1-28

- Installing Printer Drivers and Other Software for Windows 1-28
- Installing Printer Drivers for MacOS 1-28
- Locating User Documentation 1-29

Printing a Configuration Summary 1-30

Printing PCL and PostScript Font Lists 1-32

Turning the Printer Off 1-33

Chapter 2 Maintenance 2-1

Names and Functions of the Printer's Parts 2-2

- Front View 2-2
- Control Panel 2-3
- Rear View 2-4
- Internal View 2-5

Selecting Print Media 2-6

- Print Media Weight, Type, and Size 2-7
- Suitable Paper Types 2-8
- Unsuitable Paper Types 2-9
- Storing Paper 2-10

Loading Paper 2-10

- Loading Paper in the Paper Tray (Tray 2) 2-10
- Loading Paper in the Multi Purpose Tray (Tray 1) 2-15
- Loading Transparency Sheets in the Multi Purpose Tray (Tray 1) 2-17
- Loading Postcards in the Multi Purpose Tray (Tray 1) 2-19
- Loading Envelopes in the Multi Purpose Tray (Tray 1) 2-19

Cleaning 2-21**Storing the Printer 2-22****Transporting the Printer 2-24**

Chapter 3**Dealing with Problems 3-1****Troubleshooting 3-2**

- Power Problems 3-2
- Print Quality Problems 3-3
- Paper Transport Problems 3-7
- Other Problems 3-8
- Cleaning the Density Sensor 3-8

Solving Printer Power-on Problems 3-11**Control Panel LCD Messages 3-12****Ethernet Network Interface Troubleshooting 3-14**

- Power-Up Troubleshooting 3-14
- Printing Problems 3-14
- DHCP Troubleshooting 3-14
- Bitmap Graphics 3-14
- Technical Support 3-15

Chapter 4**Paper Jams 4-1****Clearing Paper Jams 4-2**

- Paper Jams in the Multi Purpose Tray (Tray 1) 4-3
- Paper Jams in the Paper Tray (Tray 2) 4-4
- Paper Jams Between the Drum Cartridge and Fuser Unit 4-7
- Paper Jams in the Paper Rotator 4-9
- Paper Jams in the High Capacity Feeder (Trays 3/4) 4-10

Chapter 5**Consumables 5-1****Consumables Overview 5-2**

- Toner Cartridges 5-2
- Drum Cartridge 5-2

Transfer Roller Cartridge 5-3

Fuser Unit 5-3

Paper Feed Roller 5-4

Toner Cartridges 5-4

Toner Cartridge Handling Precautions 5-4

Replacing Toner Cartridges 5-5

Drum Cartridge 5-8

Drum Cartridge Handling Precautions 5-8

Replacing the Drum Cartridge 5-9

Transfer Roller Cartridge 5-13

Transfer Roller Cartridge Handling Precautions 5-13

Replacing the Transfer Roller Cartridge 5-14

Fuser Unit 5-16

Replacing the Fuser Unit 5-16

Paper Feed Roller 5-21

Replacing the Paper Feed Roller 5-21

Chapter 6

Options 6-1

Options Overview 6-2

High Capacity Feeder 6-2

High Capacity Feeder 6-2

Installing the High Capacity Feeder 6-3

Removing the High Capacity Feeder 6-9

Chapter 7

Understanding and Navigating the Control Panel Menus 7-1

Control Panel Features 7-2

LCD Display 7-2

LED Indicators 7-3

Pushbuttons 7-3

Navigating the Control Panel Menus 7-5

Menu Structure 7-7

Paper Menu 7-9

Interface Menu 7-11

PS Menu 7-14

PCL Menu 7-15

System Menu 7-18

Quality Menu 7-20

Color Menu 7-21
Functions Menu 7-23

Chapter 8 Installing Additional Memory 8-1

Installing DRAM Memory DIMMS 8-2

Appendix A General Information A-1

Sources of Support A-2

Your GCC Vendor A-2
Your Application Vendor A-2
Internet A-2
GCC Technical Support A-2
GCC Service A-3
GCC Sales A-3

GCC Worldwide Offices A-3

GCC Part Numbers A-4

Printers A-4
Paper Handling Options A-4
Consumables A-4

Appendix B Safety Notes and Regulatory Compliance B-1

Safety Notes B-2

Regulatory Compliance B-2

Safety Compliance B-2
EMC Compliance B-3

Appendix C Printing Font Summaries C-1

Printing a Font Summary C-2

PostScript Font Summary C-3

PCL Font Summary C-7

Appendix D Notes on Matching Printed Colors with Display Colors D-1

Printed Colors vs. Display Colors D-2

Options for Color Matching D-2

Appendix E Warranties and Licenses E-1

Software License E-2

Limited Hardware/Software Warranty E-3



Preface

In this Chapter . . .

- “Welcome” on page 2
- “About this Manual” on page 2
- “About the Printer” on page 3
- “Safety Precautions” on page 5

Welcome

Thank you for selecting the GCC Elite Color 16 Series laser printer. This User Guide contains important information about the operation and care of your printer. Please read this manual in its entirety and keep it at hand for later reference. You may find it helpful to print out a copy of this document and/or keep a copy on your computer's hard drive.

About this Manual

Scope

This User Guide contains all of the information necessary to operate and care for your printer and accessories. It is intended to be used with the pictorial unpacking instructions and the Installation Guide, both included in the printer packaging. If you have not already unpacked and installed the printer, please refer to these documents.

Overview

This manual contains nine chapters and four appendices:

Preface

The Preface contains information about this guide and about the features and available configurations of the printer. This chapter also describes precautions for the safe use and preservation of the printer. In order to avoid serious injury or accident, all users should read this chapter.

Chapter 1: Unpacking and Installing the Printer

This chapter describes how to select an appropriate installation location, how to unpack the printer, what accessories are provided with the printer, and the installation procedures required once you have chosen a location for your printer.

Chapter 2: Maintenance

This chapter explains any necessary maintenance procedures, such as feeding paper, cleaning, and other procedures required for normal operation.

Chapter 3: Dealing with Problems

This chapter describes solutions to any problems that might occur when using the printer. Read this chapter to determine the nature of the problem and the best method of dealing with it.

Chapter 4: Paper Jams

This chapter explains procedures for dealing with paper jams.

Chapter 5: Consumables

This chapter provides information about the expendables used with the printer, and also describes handling and replacement procedures.

Chapter 6: Options

This chapter describes any available options and the procedures for their installation and removal.

Chapter 7: Understanding and Navigating the Control Panel Menu

This chapter explains the control panel and its functions, and also demonstrates how to navigate through the control panel menus and submenus that allow you to view and change the printer settings.

Chapter 8: Installing Additional Memory

This chapter describes procedures for installation of DRAM memory DIMMs.

Appendix A: General Information

This appendix provides information on how to contact GCC for technical support, service, and repair issues, and also provides part numbers for the printer, options, and consumables.

Appendix B: Safety Notes and Regulatory Compliances

This appendix describes cautions to take when installing, transporting, or operating the printer, and also includes the applicable regulatory compliances.

Appendix C: Printing Font Summaries

This appendix explains the procedure for printing summaries of PCL or PostScript fonts installed in your printer.

Appendix D: Notes on Matching Printed Colors and Display Colors

This appendix contains information and advice related to differences between the output from a color laser printer and the output from a display device, such as a monitor or projector.

Printer Orientation

Throughout this guide, the four sides of the printer are referred to as front, rear, right, and left. The front of the printer is the side near the control panel, and the rear of the printer is opposite the front. The left and right sides of the printer are defined as the sides to the left and right, respectively, of a person who is facing the front of the printer.

About the Printer

Features

Your laser printer has the following features:

- High-quality, high-resolution full-color laser printing at 600 or 1,200 dots per inch (dpi) with duplex printing capabilities.
- High-speed 600 dpi monochrome/color output at 16 pages per minute and 1,200 dpi monochrome/color output at 8 pages per minute.
- Printing on a wide variety of sizes such as letter, legal, postcards, A5 through A4.

- With the optional High Capacity Feeder (HCF) installed, you can increase printing efficiency by using both paper trays. You can set up to 1,600 sheets with this option. The illustration below shows the printer with the optional HCF installed.
- Easy operation: the easy-to-read control panel display clearly shows the status of printer operation. Control panel pushbuttons allow you to access and view printer menus, sub-menus, and status messages.
- Network-readiness: the standard configuration of the printer includes an Ethernet Network Interface Card.

Available Configuration

The Elite Color 16 Series printer is available in the following configuration:

Standard Configuration (Elite Color 16DN)

- Memory: 128 MB
- Resolutions: 600 x 600 dpi and 1200 x 1200 dpi
- Paper Input: One 500-sheet A4/letter paper tray and one 100-sheet front tray for paper, transparencies, envelopes, and other non-standard print media
- Paper Output: One 250-sheet face-down tray
- Interfaces: IEEE 1284 Parallel, USB 2.0, Ethernet (10/100BaseT)
- Printer Languages: PCL6, Adobe PostScript 3
- The illustration below shows the printer with the optional High Capacity Feeder installed.



NOTE: Various optional accessories are also available for the printer. Please see [Appendix A “GCC Part Numbers”](#) to order optional accessories.

Safety Precautions

To ensure safe operation of your printer, make sure you read this section thoroughly before use.

Conventions

The following conventions are used throughout this manual to emphasize certain procedures or information:

NOTE: A note is a tip or extra information that may be helpful in installing or using the printer.



CAUTION: A caution message provides information that may help you avoid equipment damage, process failure, or inconvenience. Read all caution messages carefully. GCC will not be responsible for damage that results from improper use of the printer.



WARNING! A warning message indicates the possibility of personal injury if a specific procedure is not performed exactly as described in the guide. Pay close attention to these sections and read them fully to prevent possible injury. GCC will not be responsible for damage that results from improper use of the printer.



This symbol alerts you to procedures that require close attention. Make sure you read and follow the instructions carefully.



This symbol alerts you to prohibited procedures. Make sure you read the instructions carefully.



This symbol alerts you to procedures that should be performed. Make sure you perform the procedure after reading the instructions carefully.

Installing and Relocating Your Printer



Do not place the printer in a hot, humid, dusty, or poorly ventilated environment. Prolonged exposure to these adverse conditions can cause fire or electric shocks.



Do not place the printer near heaters or near volatile, flammable, or combustible materials, such as curtains, that may catch fire.



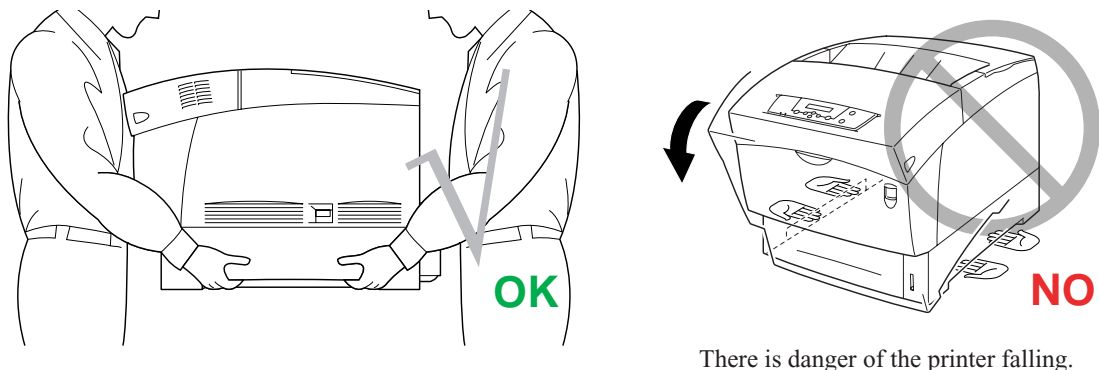
Place the printer on a level and sturdy surface that can withstand a good weight. If tilted, the printer may fall and cause injuries.



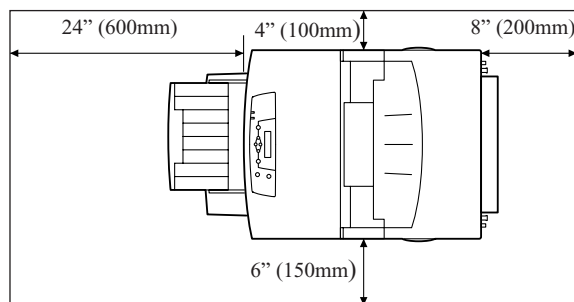
Because the printer weighs 76 lbs. (34.5 kg) fully assembled, make sure that at least two people carry it.



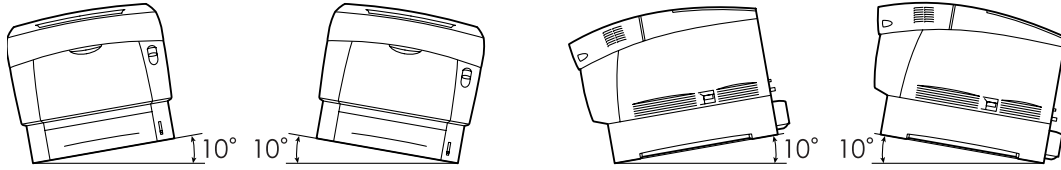
To lift the printer, face the front and back of the printer and, with both pairs of hands, grip the recessed areas at the bottom left and right. Never try to lift the printer by gripping any other areas. Lifting the printer by gripping other areas can cause the printer to fall, resulting in injury.



- ❗ When lifting the printer, get a firm footing and bend your knees to avoid possible injuries to your back.
- ❗ The printer has ventilation holes on the rear panel. Ensure that the printer is installed no less than 6 inches (150 mm) from the wall on the right, 4 inches (100 mm) from the wall on the left, and 8 inches (200 mm) from the wall at the back. A poorly ventilated printer can cause excessive internal heat and fire. The accompanying diagram shows the minimum clearances required for normal operation, consumables replacement, and maintenance to ensure your printer operates at peak performance.



- ❗ When moving the printer, be sure to unplug the power cord from the outlet. If the printer is moved with the power cord connected, it can cause damage to the cord, which could result in fire or electric shocks.
- ⊘ When moving the printer, do not tilt it more than 10 degrees. If tilted excessively, the printer may fall over and cause injuries.



! After installing the High Capacity Feeder, lock down the brakes on the casters at the front of the High Capacity Feeder. Failure to lock down the brakes can cause the printer to move unexpectedly, resulting in injury.

Other Precautions

- Operate the printer in a location that meets the following conditions:

Ambient temperature range of 50-90°F (10 to 32°C), relative humidity of 15 to 85% (no condensation)

If operating the printer with an ambient temperature of 90°F (32°C), the relative humidity should not exceed 65%. If the relative humidity reaches 85%, the ambient temperature should not exceed 82°F (28°C).

NOTE: Do not place the printer in a room where there are sudden fluctuations in temperature, and do not move the printer from a cold place to a warm humid place. If you do, condensation may occur within the printer and print quality may deteriorate.

- Do not place the printer in direct sunlight, as this may damage the printer.
- To prevent trays or consumables from falling out, do not tilt the printer more than 10 degrees in any direction.
- When moving the printer, remove the toner cartridges. Do not reuse toner cartridges once you have removed them from the printer. Loose toner can spill inside the printer and deteriorate print quality.
- Do not place the printer directly next to an air conditioner or heater, as this affects the temperature inside the printer and can cause damage.

Precautions for Power and Ground Connections

! Three power specifications are listed below. The specifications that apply to your printer depend on its configuration. Connect the power plug only to a properly rated power outlet. Otherwise, it can cause fire or electric shocks. If in doubt, contact your GCC Customer Support Center.

- North American (110v) models:
Rated voltage: 110-127 V
Rated frequency: 60 Hz
- European (220v) models:
Rated voltage: 220-240 V
Rated frequency: 50/60 Hz



Ensure that the plug connection is dustless. In a damp environment, a contaminated connector can draw a non-negligible amount of current that can generate heat and eventually cause fire over an extended period of time.



Always use the power cord provided with your printer. When an extension power cord is required, always use a properly rated cord.

If you use a cord with an unspecified current rating, the printer or plug may emit smoke or become hot to the touch.



Do not attempt to modify, pull, bend, chafe, or otherwise damage the power cord. Do not place a heavy object on the cord. A damaged cord can cause fire or electric shocks.



Never touch a power cord with wet hands. This constitutes an electric shock hazard.



Stop operation immediately if your printer emits smoke, excessive heat, unusual noise or smell, or if water is spilled onto the printer. These conditions can cause fire. Immediately turn off and unplug the printer, and contact your GCC Customer Support Center.



To prevent fire or electric shocks, follow the instructions below based on your printer's configuration. If in doubt, contact your GCC Customer Support Center.



If the power cord is broken or insulated wires are exposed, ask your GCC Customer Support Center for a replacement. Using a damaged cord can cause fire or electric shocks.

Cautions



Do not unplug or replug the printer while it is on. Unplugging a live connector can deform the plug and cause fire.



When unplugging the printer, grasp the plug instead of the cord. Forcibly pulling on a cord can damage it and cause fire or electric shocks.



Be sure to switch off and unplug the printer before accessing the interior of the printer for cleaning, maintenance, or fault clearance. Access to a live printer's interior can cause electric shocks.



Once a month, unplug the printer and check the power cord for the following:

- The power cord is plugged firmly into a receptacle.
- The plug is not excessively heated, rusted, or bent.
- The plug and receptacle are free of dust.
- The cord is not cracked or frayed.

If you notice any unusual conditions, contact your GCC Customer Support Center.



When the printer is not used over an extended period of time, switch it off and unplug it. If an unused printer is left connected to a power source for a long period, degraded insulation can cause electric shocks, current leakages, or fire.



Switch off the printer before connecting the interface cable or options. Connecting the cable or card with a live printer can cause electric shocks.

Other Precautions

- This printer may interfere with radio or television reception, causing flickering or distortion. This can be determined by turning the printer off and on. To correct interference, perform one, or a combination of the following procedures:
- Move the printer away from TV and/or radio.
- Reposition the printer, TV and/or radio.
- If the printer, TV and/or radio are plugged into the same outlet, unplug them, then plug them into different outlets.
- Reposition the TV and/or radio antennas and cables until the interference stops. For external antennas, consult your local electrician.
- Use coaxial cable with the antennas.

Operating Precautions



Do not place any liquid containers such as vases or coffee cups on the printer. Liquids spilled on the printer constitute a fire and electrical shock hazard.



Do not place any metal parts such as staples or clips on the printer. If metal and flammable parts get into the printer, they can short-circuit internal components, and cause fire or electric shocks.



If debris (metal or liquid) gets into the printer, turn off and unplug the printer. Contact your GCC Customer Support Center. Operating a debris-contaminated printer can cause fire or electric shocks.



Never open or remove printer covers that are secured with screws unless specifically instructed to do so in this manual. A high-voltage component can cause electric shocks.



Do not try to alter the printer's configuration or modify any parts. An unauthorized modification can cause smoke or fire.

This printer complies with the IEC60825 (Class 1) international laser standard. This means that the printer does not present any risk of injury to persons from laser radiation. Various covers confine the laser radiation to the inside of the printer; hence, users cannot incur injury from the laser under normal operating conditions. Removing covers, unless instructed to do so in this manual, can cause injury from laser radiation.



Never touch a labeled area found on or near the fuser unit. You can burn yourself. If a sheet of paper is wrapped around the fuser roller, do not try to remove it by yourself, as this may cause injuries or burns. Turn off the printer immediately and contact your GCC Customer Support Center.



Do not place any heavy objects on the printer. An off-balance printer can fall over or the heavy object can fall, causing injuries.



Do not use highly flammable sprays or solvents in or around the printer, as this can result in fire.



When removing paper jams, make sure no pieces of paper are left inside the printer, as this can cause fire. If the paper is wrapped around the fuser or roller, or you cannot see the jam you are trying to clear, do not attempt to remove the paper by yourself, as this may cause injury or burns. Turn off the printer immediately, and contact the place of purchase or a GCC Customer Support Center.

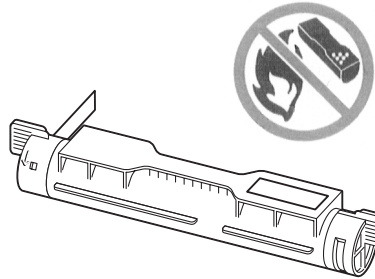


Do not place magnets near the printer. Magnets can activate the printer accidentally, resulting in injuries.

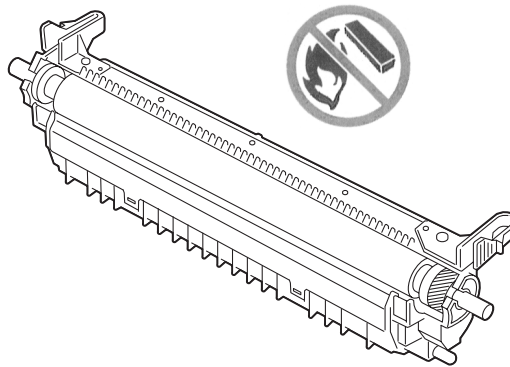
Refer to this manual for procedures on clearing paper jams and how to resolve any other troubles that may occur.

Notes on Handling Consumables

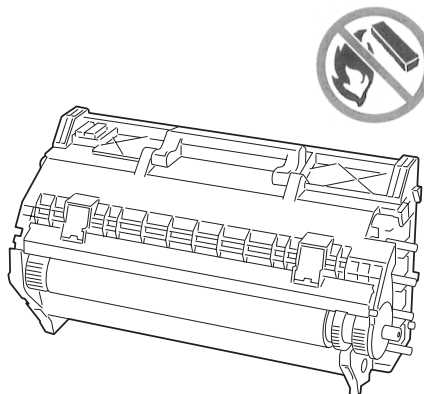
- ⊘ Never throw a toner cartridge into an open flame. It can cause an explosion and injuries.



- ⊘ Never throw a transfer roller cartridge into an open flame. It can cause an explosion and injuries.



- ⊘ Never throw a drum cartridge into an open flame. It can cause an explosion and injuries.



- Do not open consumables until you are ready to use them. Do not store consumables in the following conditions:
 - In high temperature or humidity
 - Near an open flame
 - Exposed to direct sunlight
 - Dusty areas
- Before using consumables, read the operating instructions and precautions on the packaging.
- Administer emergency first aid as follows:
 - If you get toner in your eyes, rinse them well with plenty of clean water. Consult a physician if necessary.
 - If you get toner on your skin, wash it with soap and water and rinse well.
 - If you inhale toner, leave the area of exposure immediately and gargle with plenty of water.
 - If you swallow toner, induce vomiting and consult your physician immediately.
- When you remove the transfer roller cartridge from the printer because the waste toner collection box is full, do not attempt to empty the waste toner box and reuse the cartridge, as toner may spill inside the printer and cause damage.
- Do not tilt or shake drum cartridges or transfer roller cartridges that have been removed temporarily. The toner may leak and cause damage.



Chapter 1

Unpacking and Installing the Printer

In this Chapter . . .

- “About this Chapter” on page 1-2
- “Positioning the Printer” on page 1-2
- “Accessories” on page 1-4
- “Transporting the Printer” on page 1-7
- “Installation Procedure” on page 1-8
- “Turning the Printer On” on page 1-24
- “Selecting a Display Language” on page 1-25
- “Adjusting Color Registration” on page 1-26
- “Installing Printer Drivers and Locating User Documentation” on page 1-28
- “Printing a Configuration Summary” on page 1-30
- “Printing PCL and PostScript Font Lists” on page 1-32
- “Turning the Printer Off” on page 1-33

About this Chapter

This chapter describes how to select an appropriate installation location, what accessories are provided with the printer, and the installation procedures required once you have chosen a location for your printer.

Positioning the Printer

For safe and convenient printer operation, take time to read the information in this section when deciding where to place your printer.

Installation Environment

Place the printer in a location that meets the following conditions:

- Level and stable surface.
- Well ventilated.
- Temperature range of 50-90°F (10-32°C), relative humidity 15-85% (no condensation).
- If you use the printer at an ambient temperature of 90°F (32°C), the relative humidity should not exceed 65%. If the relative humidity reaches 85%, the ambient temperature should not exceed 82°F (28°C).

NOTE: Do not position the printer in a room where there are sudden temperature fluctuations. Do not move the printer from a cool, dry location to a warm, humid location. Sudden temperature fluctuations can cause water droplets (condensation) to form inside the printer and cause the print quality to deteriorate. If condensation occurs, allow at least one hour for the printer to adapt to the new environment before use.

Connect the printer to its own AC outlet

Do not plug any other equipment into the printer's AC outlet, especially high-current equipment such as copiers or air conditioners. Electrical noise and voltage fluctuations from other equipment plugged into the same outlet can cause computing errors and data loss.



WARNING: Connect the power plug to an AC outlet with the same voltage as the printer (110 or 220V), and rated for at least 15A. No other devices should be plugged into this AC outlet, as overheating could cause fire or electrical shock.

Avoid exposing the printer to:

- Direct sunlight
- Air conditioners or heaters
- Windy locations
- Surfaces subject to vibration
- Dusty or dirty places
- Open flames
- Humidity
- Magnetic fields
- Wide ranging temperature and humidity fluctuations

When using an ultrasonic water vaporizer

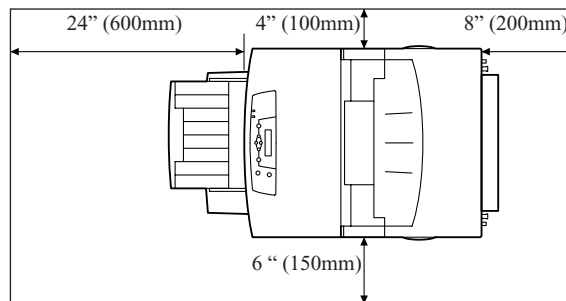
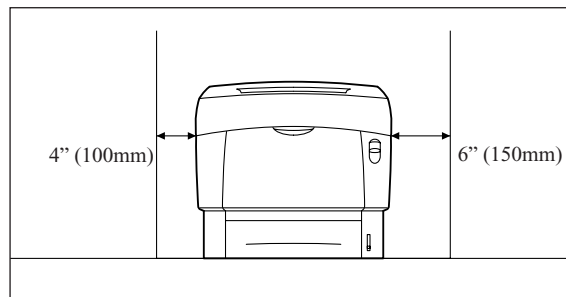
Using tap or well water with ultrasonic water vaporizers disperses impurities into the air. These impurities can accumulate inside the printer and cause print quality to deteriorate. If you install the printer in the same room as an ultrasonic water vaporizer, use only filtered water in the water vaporizer.

Minimum Installation Clearances

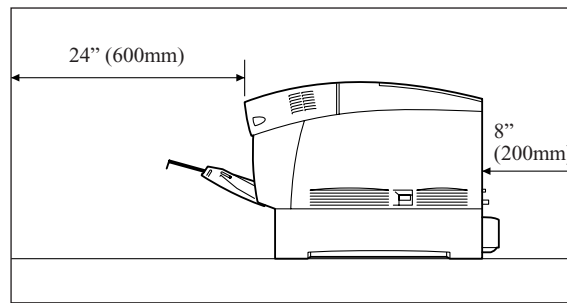
Be sure to install the printer in a location that respects the minimum clearances indicated in the illustrations below.



CAUTION: To avoid obstruction of the ventilation grills on the back and the side of the printer, position the printer no less than 6 in. (150 mm) from the wall on the right side, 4 in. (100 mm) from the wall on the left side, and 8 in. (200 mm) from the wall at the back. Obstructing the ventilation grills can cause the printer to overheat and become a fire hazard. To allow easy routine maintenance, replacement of consumables, proper operation and ensure satisfactory performance, confirm that the printer's position is as illustrated below.

Top View***Front View***

Side View



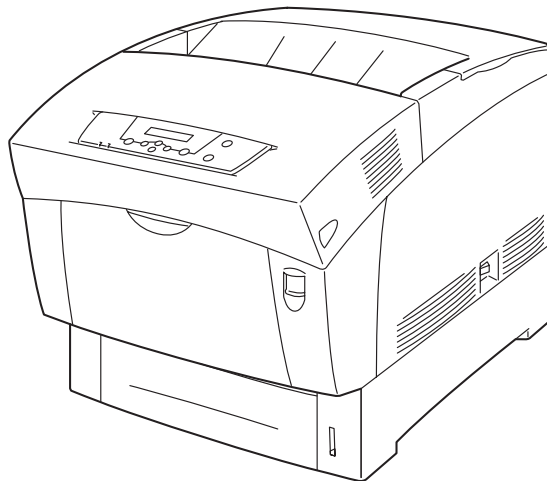
Accessories

The standard printer package consists of the following items. Before installing the printer, confirm that all the items listed below are accounted for.

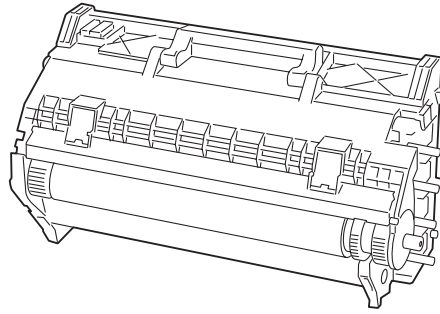
NOTE: Keep the box and packaging in case you need to transport the printer over long distances in the future.

NOTE: For information about optional accessories for the printer, please see [Chapter 6 “Options”](#) and the literature accompanying the optional accessories.

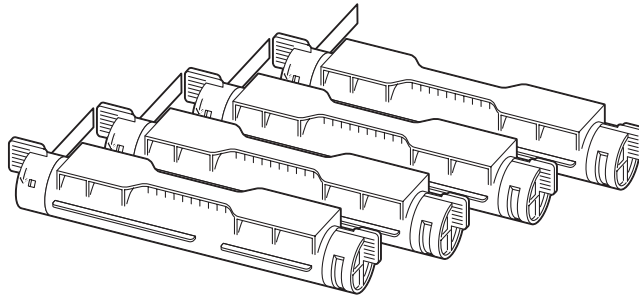
Printer



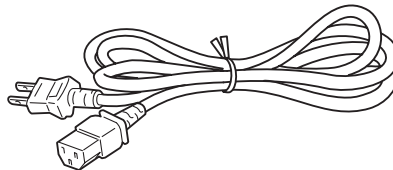
Drum cartridge



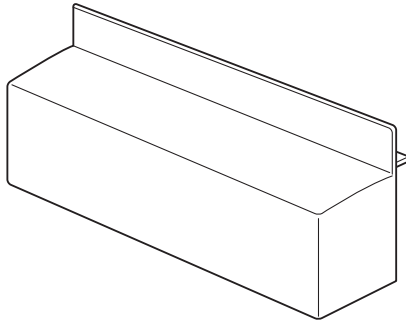
Toner cartridges: (Black, Yellow, Magenta, Cyan)



Power Cord

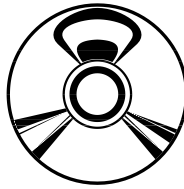


Tray cover



NOTE: The tray cover does not come standard with the printer.

GCC Elite Color 16 Series Software and Documentation CD-ROM



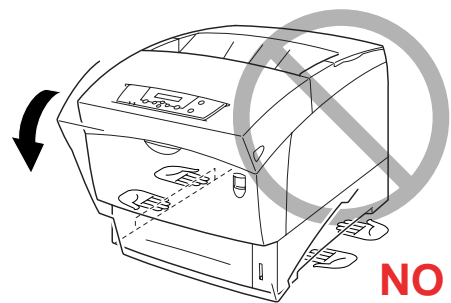
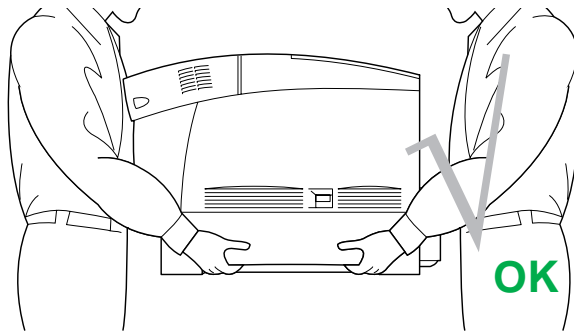
Transporting the Printer

Note the following points when transporting the printer into position.



CAUTION: At least two people should carry the printer.

- Because the printer weighs 76lb. (34.5kg) with the tray and consumables installed, at least two people should carry it.
- To lift the printer, face the front and back of the printer and grip the recessed areas at the bottom left and right with both hands. Never try to lift the printer by gripping any other areas. Lifting the printer by gripping other areas can cause the printer to fall, resulting in injury. Bend your knees when lifting the printer to avoid back injury.



There is danger of the printer falling.

Keep the printer level.

When carrying the printer, keep it level to prevent trays and consumables from falling out. Do not tilt it more than 10 degrees in any direction.

Installation Procedure

Install the printer as follows:

1. Remove all the packing tape from the printer.
2. Remove all the spacers from the printer.
3. Install the drum cartridge.
4. Install the toner cartridges.
5. Load the paper.
6. Plug in the power cord.

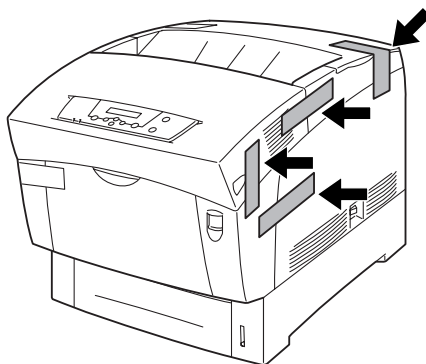
NOTE: Spacers are installed in various parts of the printer to protect it from shock and vibrations during shipping. Make sure you remove all the spacers before using the printer. If you purchased the optional High Capacity Feeder, install it first. For details on installing optional accessories, see [Chapter 6 "Options"](#) and the literature accompanying the High Capacity Feeder.

NOTE: Keep the cardboard box, handles, polystyrene packaging and spacers in case you need to transport the printer over long distances in the future.

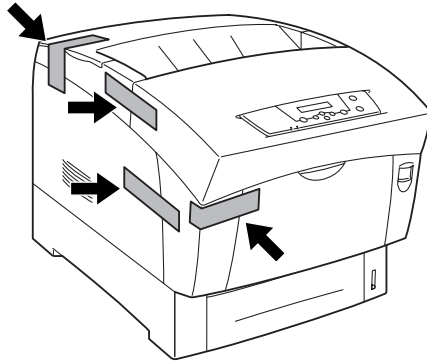
Removing the packing tape

When you first remove the printer from its box, there is packing tape in 8 places to secure the covers during shipping. Refer to the illustrations below and remove all the packing tape from the printer.

Right Side



Left Side

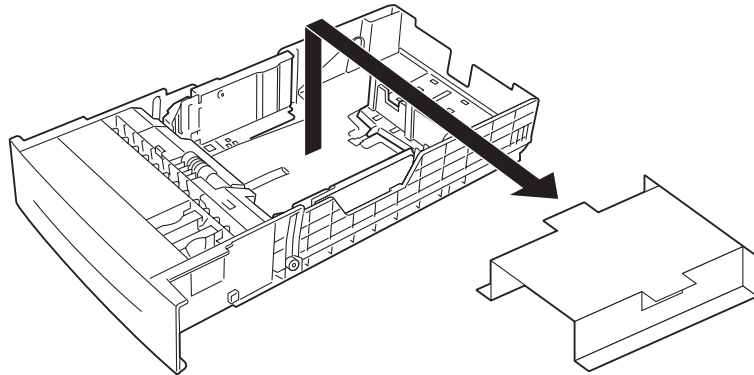


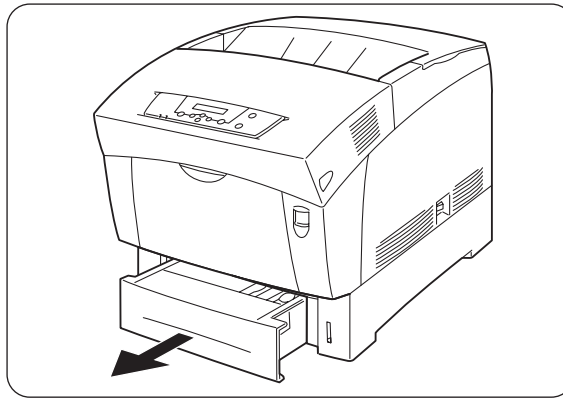
Removing the Spacers

A spacer is installed in the paper tray to protect it from shock and vibrations during shipping. Remove the spacer before using the printer.

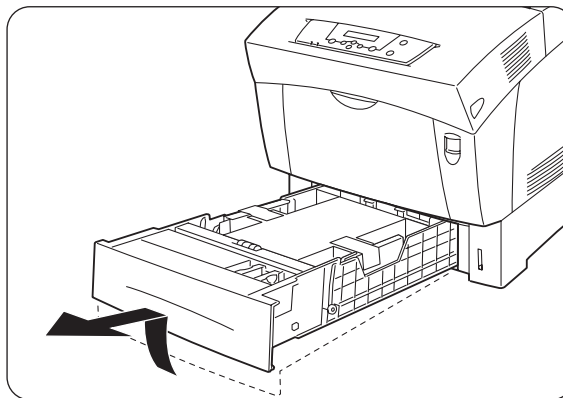
Follow the procedure below to remove the spacer from the paper tray.

NOTE: Keep the spacer in case you need to transport the printer over long distances in the future.



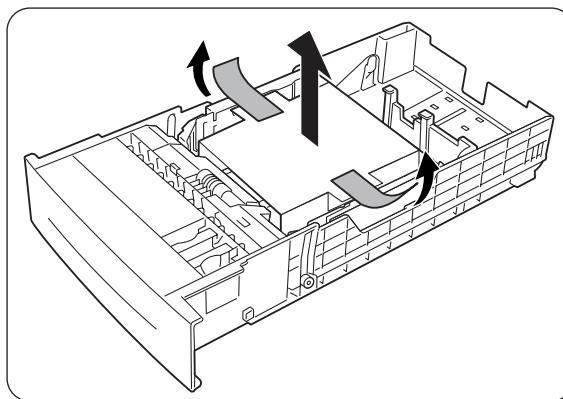


1. Gently pull out the paper tray until it stops.



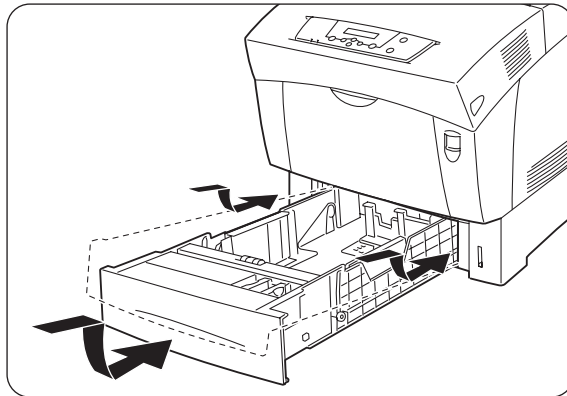
2. Hold the tray with both hands, lift the front up slightly and pull it completely out of the printer.

NOTE: Place the tray on a flat surface.

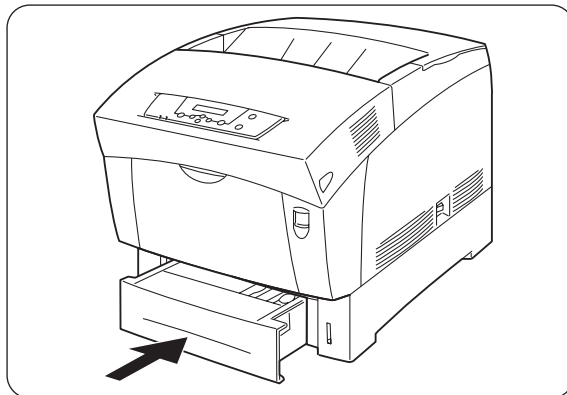


3. Remove the tape from the cardboard spacer in the tray and remove the spacer.

NOTE: Keep the spacer in case you need to transport the printer over long distances in the future.



4. Holding the paper tray with both hands, align it with the opening in the printer and gently insert it.

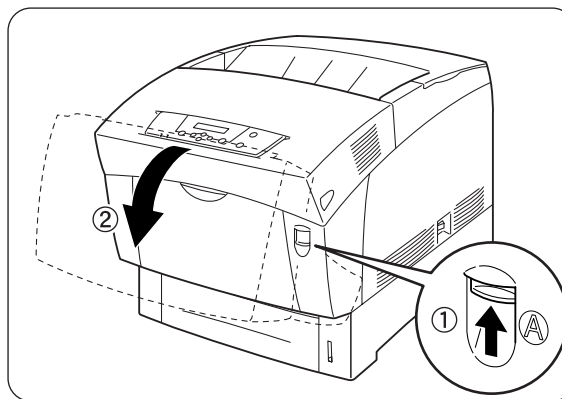
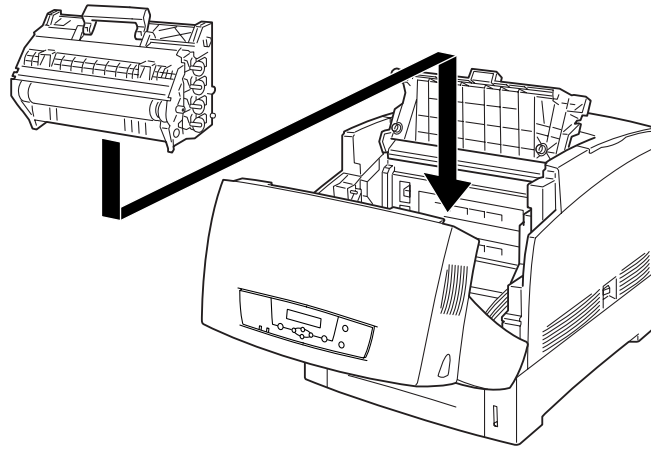


5. Push the paper tray completely back into the printer.

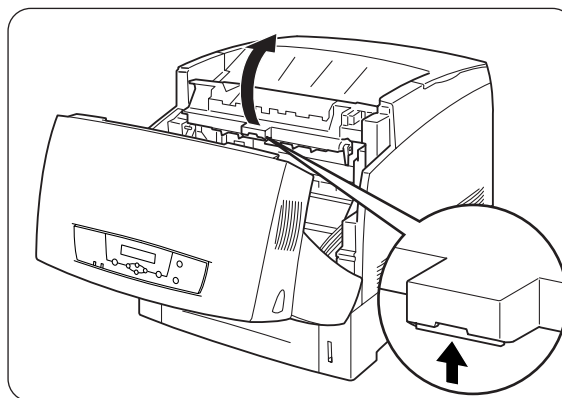
NOTE: Do not use excessive force on the paper tray.

Installing the Drum Cartridge

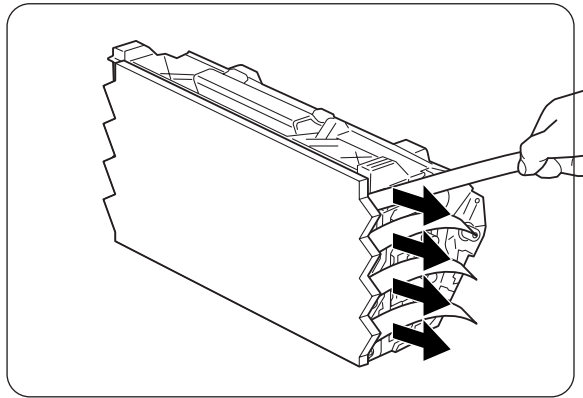
Follow the procedure below to install the drum cartridge.



- 1.** Push up button 'A' 1 and fully open the front cover 2.

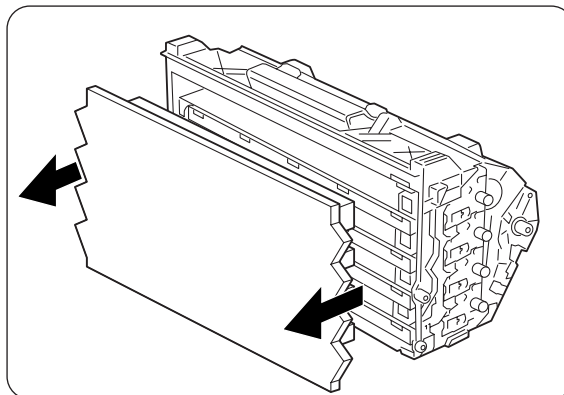
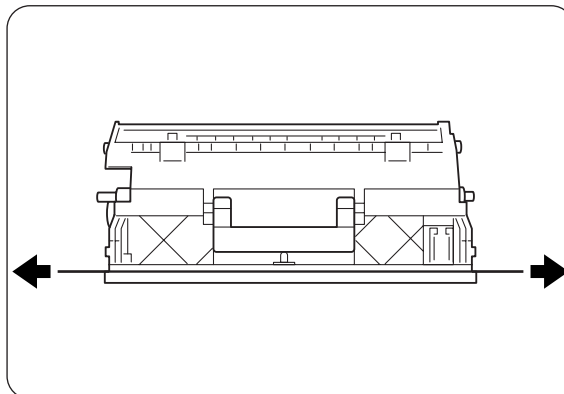


- 2.** Open the paper outlet cover.

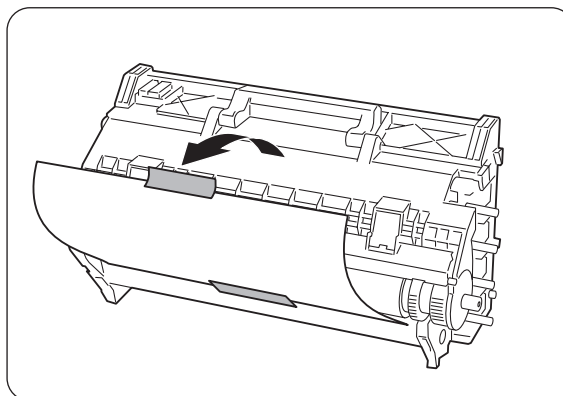


3. Take a new drum cartridge out of its package and pull hard on each the 4 seals to remove them. Pull the seals completely out.

NOTE: Keep the aluminum package of the drum cartridge in case you need to transport the printer over long distances in the future.

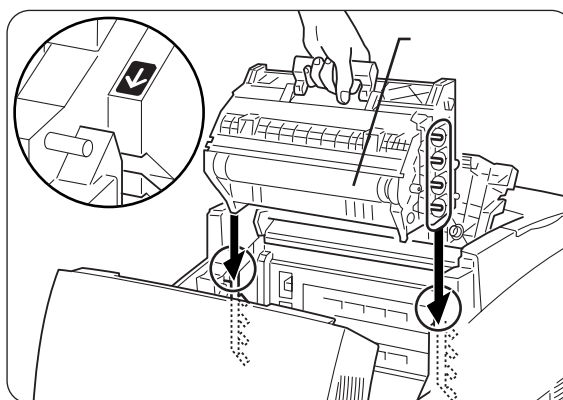


4. Hold the left and right sides of the drum cartridge and remove the protective cover from it.



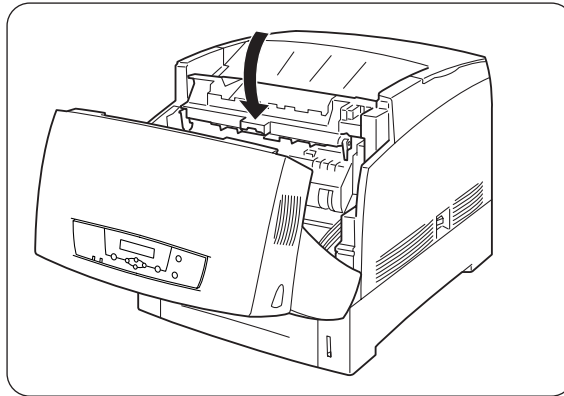
5. Remove the protective sheet from the drum cartridge as shown in the illustration.

NOTE: Do not touch the transfer roller (black colored part). Make sure nothing touches or scratches the roll surface. Scratches or oil from your hands on the drum deteriorates print quality. Make sure you remove the protective sheet. Installing the drum cartridge without removing the protective sheet deteriorates print quality. Remove the protective sheet with the drum cartridge in a horizontal position.

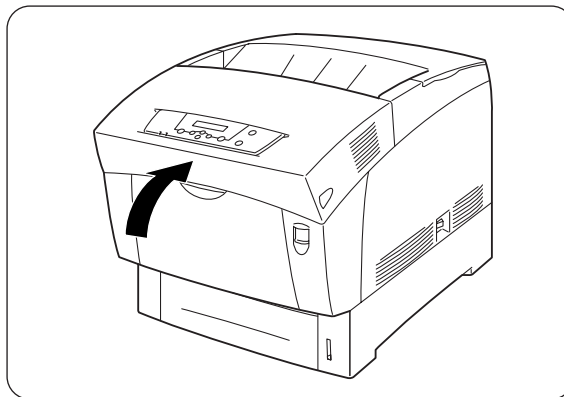


6. Hold the drum cartridge by the handle, align its 4 shafts with the slots indicated by the arrows on the printer, and gently lower it into the printer.

NOTE: Do not touch the transfer roller.
Lowering the cartridge into the printer without correctly aligning the shafts with the slots can damage the cartridge.
Do not allow the surface of the transfer roller to come into contact with anything.



7. Close the paper outlet cover.

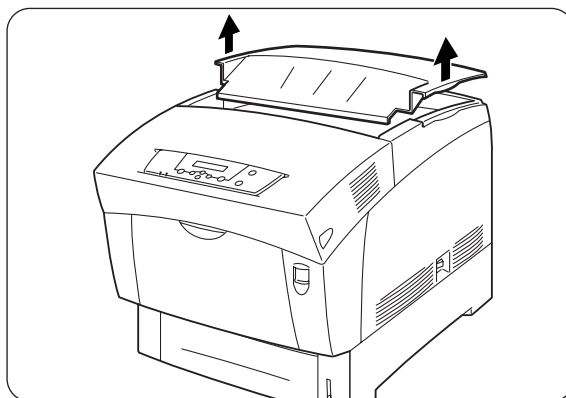
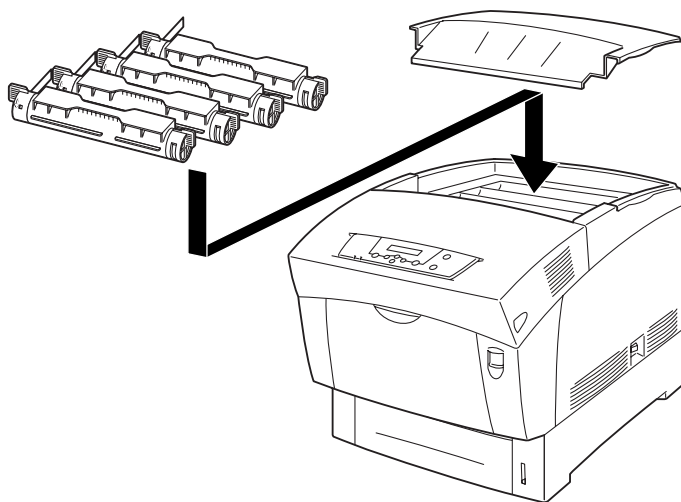


8. Close the front cover.

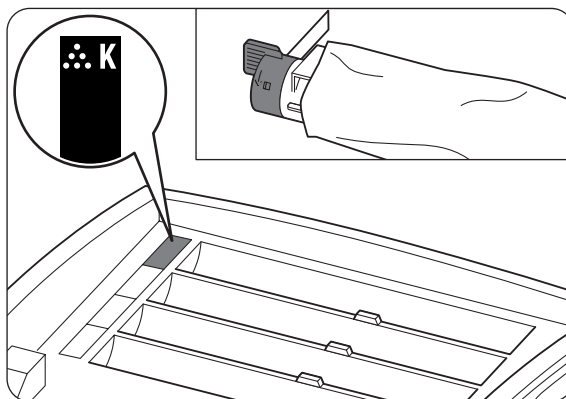
Installing the Toner Cartridges

Follow the procedure below to install the toner cartridges

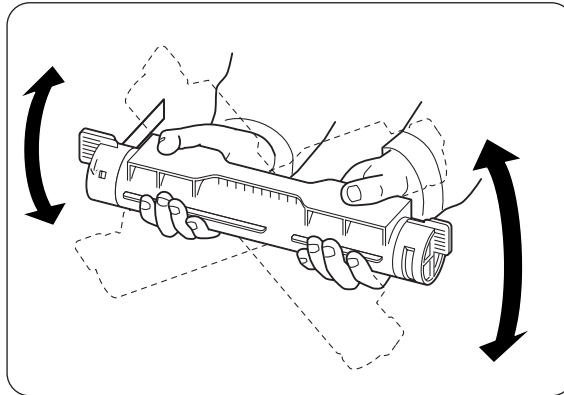
NOTE: The toner is harmless but should still be washed off immediately if it comes into contact with hands or clothing.



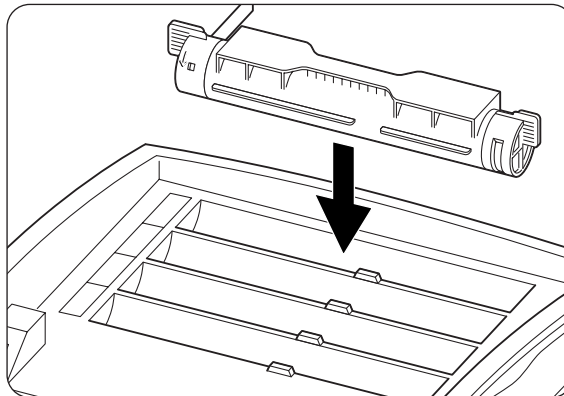
- 1.** Remove the top cover.



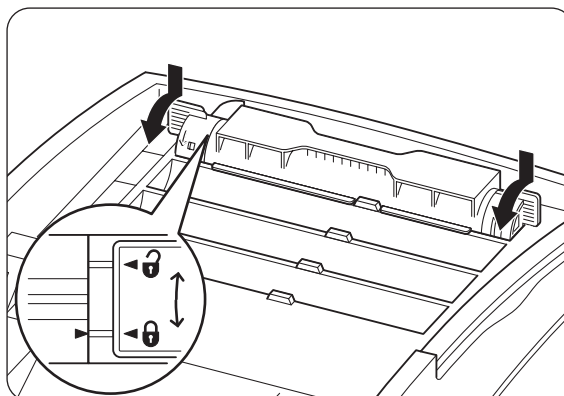
- 2.** Select the new toner cartridge whose color matches the label on the insertion point and remove it from its packaging.



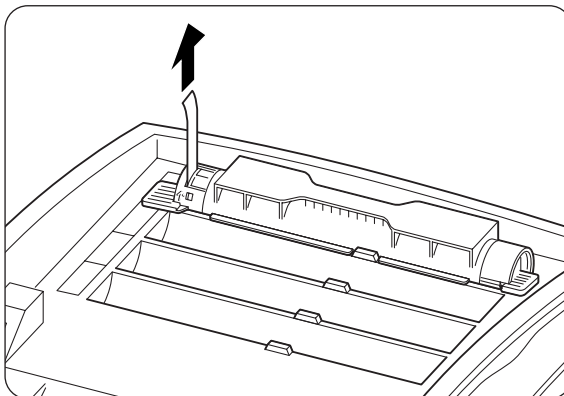
3. Shake the toner cartridge 7 or 8 times as shown in the illustration to distribute the toner evenly.



4. Align the toner cartridge with the corresponding insertion point in the printer and insert it as shown in the illustration.

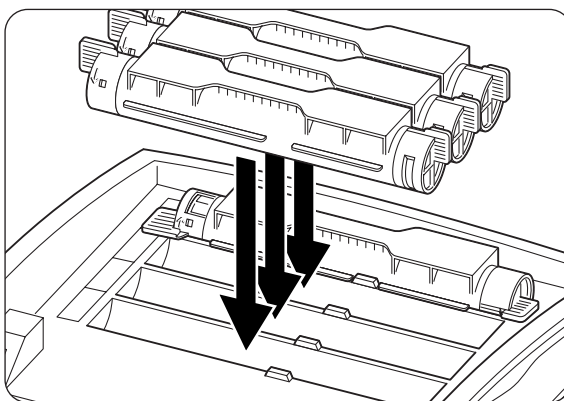


5. Grip the levers at each end of the toner cartridge with your fingers, then push down lightly to rotate the levers forward.

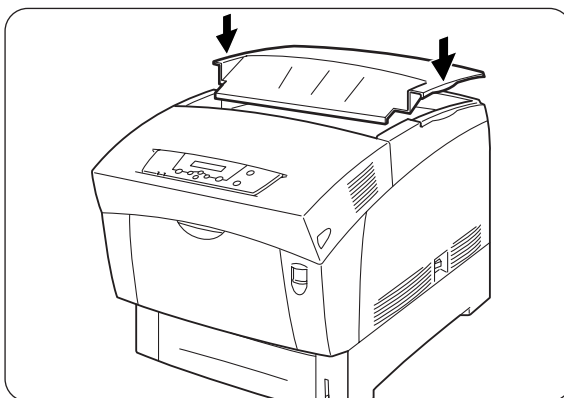


6. Pull the toner seal straight up to remove it.

NOTE: Pull the toner seal straight up. Pulling the toner seal diagonally may tear the seal.



7. Repeat steps 2 - 6 to install the remaining toner cartridges.

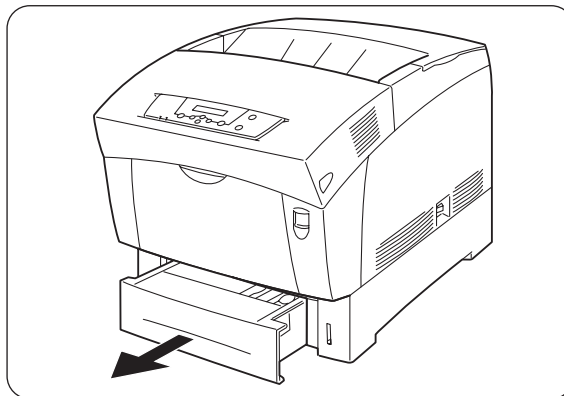
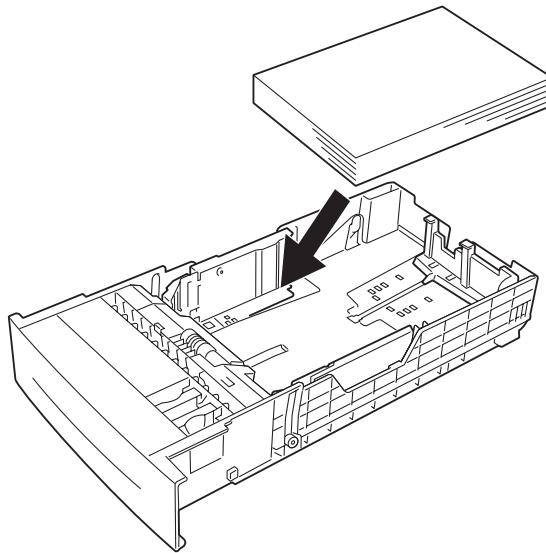


8. Replace the top cover.

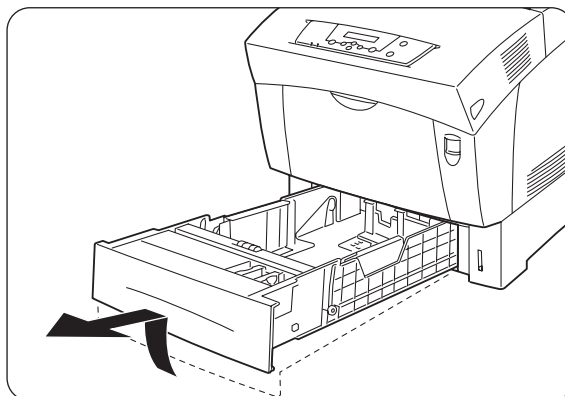
Loading Paper

Follow the procedure below to load paper into the paper tray.

NOTE: See “Paper Handling” on page 2-6 for information about the types of paper suitable for printing. See “Loading Paper in the Multi Purpose Tray” on page 2-15 for more details on setting paper in the manual feed tray.

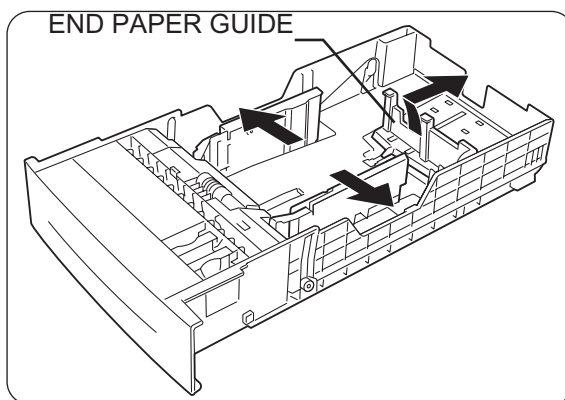


1. Pull the paper tray out until it stops.

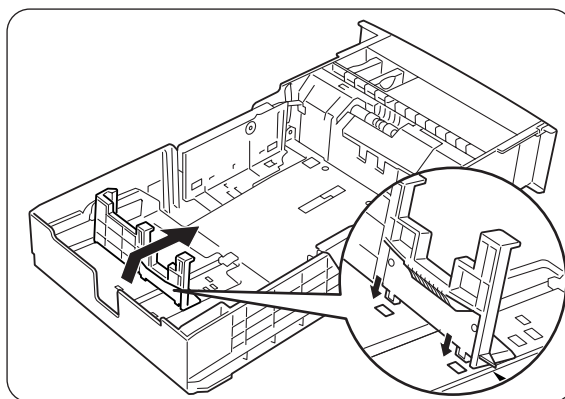


2. Hold the tray with both hands lift up the front slightly and remove it from the printer.

NOTE: Place the tray on a flat surface.

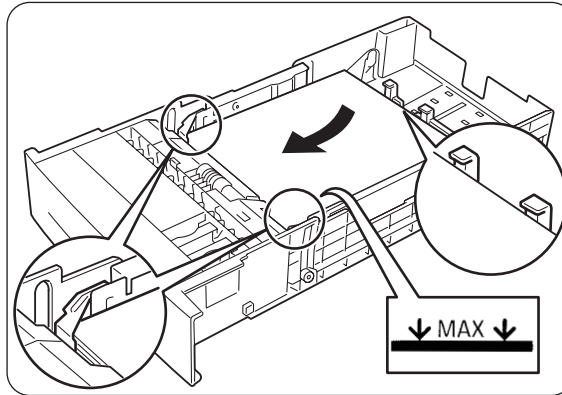


3. Move the end and side paper guides to their outermost positions. Gently lift the end paper guide to move it.



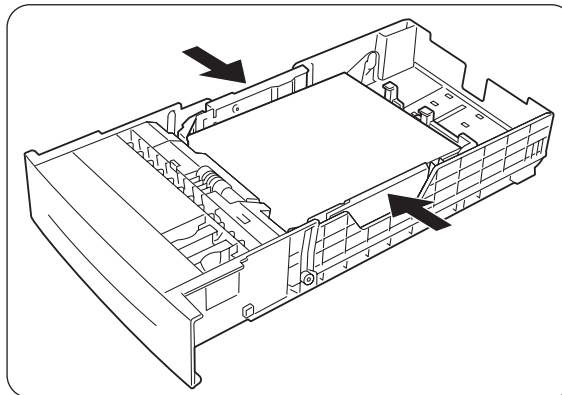
4. Grip the end paper guide with your fingers and gently lift it up. Insert the pins at the bottom of the guide in the holes corresponding to the paper size that you want to load.

-
- NOTE:**
- Make sure that the end guide is properly inserted into the holes corresponding to the appropriate paper size.
 - Only a small amount of movement of the end paper guide can make automatic paper size detection impossible. If this occurs, move the end paper guide all the way to its outermost position again, then realign it with the appropriate paper size mark.
-



- 5.** Align the four corners of the paper stack and insert the paper (print side up) under the tab.

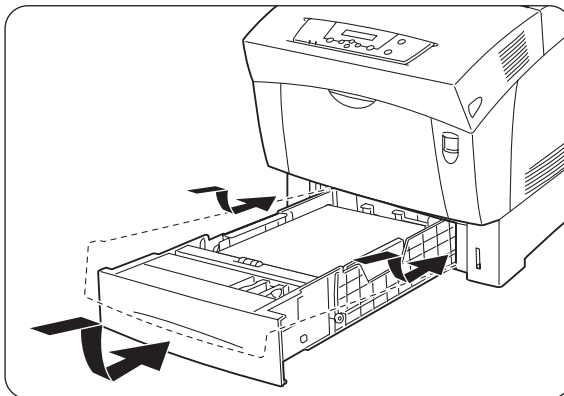
-
- NOTE:**
- Do not use paper that is folded, creased, or heavily warped.
 - Do not overload the paper tray.
-



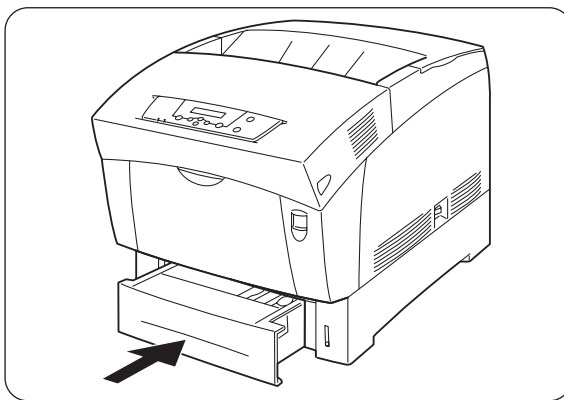
- 6.** Align the side guides with the edges of the paper.

-
- NOTE:**
- Pushing the paper guides too hard against the edges of the paper stack can cause a paper jam. However, if the paper guide is too loose, the paper may twist as it feeds through the printer.
-

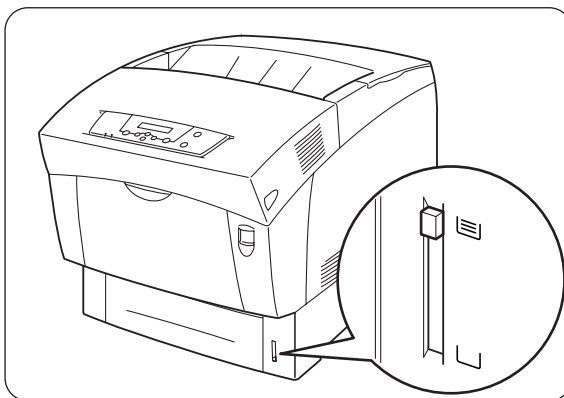
7. Hold the paper tray with both hands, align it with the opening in the printer and gently insert it.



8. Push the paper tray completely back into the printer.



NOTE: Do not use excessive force on the paper tray.

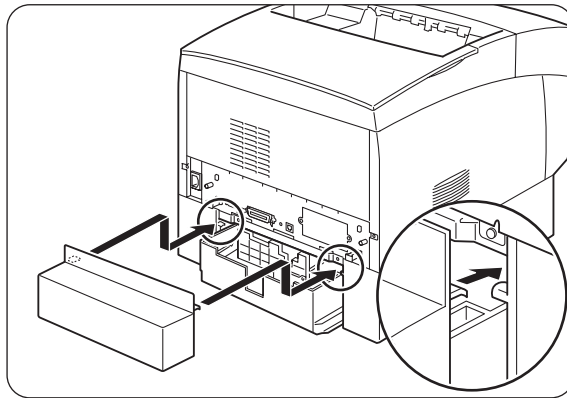


NOTE: There is an indicator next to the paper tray that tells you how much paper remains in the tray. Use the meter as a guide to refill the paper tray.

Installing the Tray Cover

Follow the procedure below to install the tray cover.

NOTE: The tray cover does not come standard with the printer.



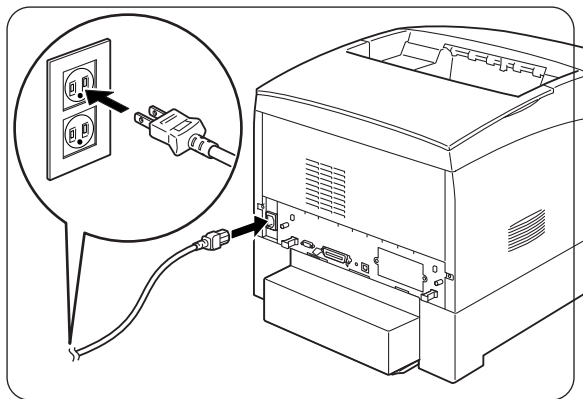
1. Clip the hooks on the tray cover onto the 2 tabs at the back of the printer as illustrated.

Connecting the Power Cord

Follow the procedure below to connect the power cord.



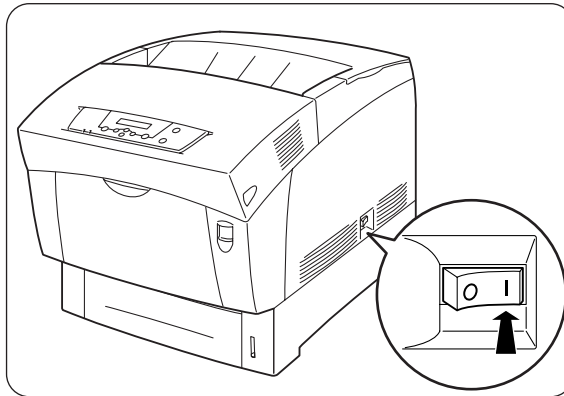
WARNING: Connect the power plug to an AC outlet with the same voltage as the printer (110 or 220V), and rated for at least 15A. No other devices should be plugged to this AC outlet, as overheating could cause fire or electrical shock.



1. Plug the power cord into the power inlet at the back of the printer. Plug the other end of the cord into the AC outlet.

Turning the Printer On

On the printer's right side, press the side of the power switch marked [I] to turn the printer on.



NOTE: The printer motors run for 1 or 2 minutes when you first turn the power on.

The top line of the LCD display reads:

Loading

followed by asterisks progressing across the bottom line:

Following a LED self test, asterisks progress across both lines of the display

and the Power On Self Test ends with the top line of the display reading:

Ready

NOTE: While turned on, the printer will go into the standby state if it remains idle for a period of time. If an error message appears, see [“Control Panel LCD Messages”](#) on page 3-12 for more details.

Selecting a Display Language

The default language for all LCD display messages and the Configuration Summary is English. You can change the default language to Spanish, Italian, German or French.

NOTE: The language that you select will be reflected on all LCD display messages, and also the content of the Configuration Summary.

To change the default language from English to one of the other four available selections:

1. From the Ready status, press MENU, the control panel display will read:

Menu
Paper Menu

2. Press PREVIOUS or NEXT until the display reads:

Menu
System Menu

3. Press SELECT, the display will read:

System Menu
Factory Defaults

4. Press NEXT or PREVIOUS until the display reads:

System Menu
Display Language

5. Press SELECT, the display will read:

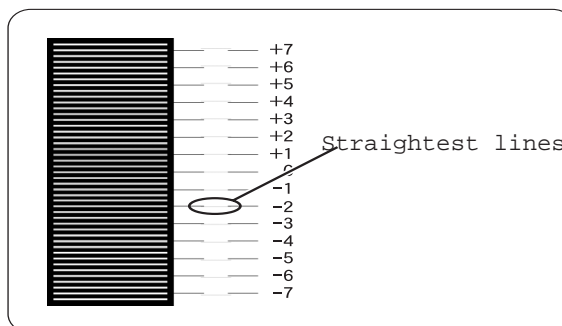
System Menu
English

6. Press NEXT or PREVIOUS until the desired default language appears on the bottom line of the display.

7. Press SELECT. You have now changed the default language.

Adjusting Color Registration

Your printer is factory calibrated for optimal color registration, so most users should not have the need to adjust the printer's settings. Should you experience issues with color registration, however, follow the procedure below to make adjustments to the printer's color registration settings.



To obtain the best color print quality, the printer must be aligned so that all four color planes are positioned correctly on the printed page. This alignment is done in two parts:

1. Alignment of black ink to ensure that proper image positioning is achieved relative to the printed page
2. Alignment of cyan, magenta and yellow inks to ensure color accuracy

The following steps comprise the alignment procedure:

1. Using the control panel, enter the COLOR Menu. From the Ready status, press MENU, the control panel display will read:

Menu

Paper Menu

2. Press PREVIOUS or NEXT until the display reads:

Menu

Color Menu

3. Press SELECT, the display will read:

Color Menu

Screening Mode

4. Press NEXT or PREVIOUS until the display reads:

Color Menu

Alignment

5. Press SELECT, the display will read:

Alignment

Alignment Page

6. Press SELECT to print the ALIGNMENT PAGE.

7. Adjust black ink alignment settings (K-V ADJUST and K-H ADJUST)
8. Print the ALIGNMENT PAGE (note: steps 7 and 8 may have to be repeated a few times)
9. Adjust color ink alignment values (M-V ADJUST , M-H ADJUST , Y-V ADJUST , Y-H ADJUST , C-V ADJUST and C-H ADJUST
10. Print the ALIGNMENT PAGE (note: steps 9 and 10 may have to be repeated a few times)
11. Place the printer into READY mode.

Adjusting Printer Alignment Settings

The following menu items under the COLOR MENU:ALIGNMENT menu are used during the alignment procedure to change the alignment settings.

Command	Adjustment
K-V ADJUST	Vertical alignment for BLACK (K) ink.
M-V ADJUST	Vertical alignment adjustment for MAGENTA (M) ink. (see note 1)
Y-V ADJUST	Vertical alignment adjustment for YELLOW (Y) ink. (see note 1)
C-V ADJUST	Vertical alignment adjustment for CYAN (C) ink. (see note 1)
M-H ADJUST	Horizontal alignment adjustment for MAGENTA (M) ink.
Y-H ADJUST	Horizontal alignment adjustment for YELLOW (Y) ink.
C-H ADJUST	Horizontal alignment adjustment for CYAN (C) ink.
K-H ADJUST	Horizontal alignment adjustment for BLACK (K) ink (see note 2).

NOTE: 1. There are different vertical alignment adjustments for C , M , and Y inks in 600 and 1200 DPI modes. The name of the setting will reflect the current setting of the QUALITY MENU:RESOLUTION menu.

NOTE: 2. There are different horizontal alignment adjustments for K ink for each paper source. The name of the setting will reflect the current value of the PAPER MENU:DEFAULT SOURCE menu.

Adjusting Black Ink Alignment

Adjust the K-V ADJUST and K-H ADJUST values until the box around the outside of the page is centered within the printed page.

Adjusting the Color Ink Alignment Settings

Next go to the color registration adjustment portion of the alignment page. You will notice that there are six alignment patterns printed on the paper; three horizontal and three vertical. In each set of patterns, there is one each for YELLOW, MAGENTA and CYAN inks. Pay closest attention to the series of narrow tick marks in the alignment patterns. You will see two short black lines that are separated by a short colored line. You should be able to see that in each test pattern, there should be only one instance where the two black lines and the colored line are in perfect alignment with each other, thus forming a single straight line.

When the straightest line is identified, note the number next to the line. In the appropriate adjustment menu, set the value to the number representing the straightest line. Do this for each color, and then print the alignment page again. When all of the straightest lines are at the "0" position, alignment has been successfully completed.

NOTE: It should only be necessary to perform this procedure one time when the printer is installed.

Installing Printer Drivers and Locating User Documentation

Installing Printer Drivers and other Software for Windows

To install printer drivers and other software for Windows (Windows 95 and later), insert the Elite Color 16 Series CD-ROM into the PC. The main CD window will open. Click on "Printer Software" to access the software installers. Follow the instructions on-screen to run through the installation process.

For additional information regarding software installations (including illustrated step-by-step instructions), refer to the Getting Started Guide that shipped with the printer, or the Windows Software Installation Guide PDFs on your CD-ROM.

Installing Printer Drivers for MacOS

To install printer drivers for MacOS, insert the Elite Color 16 Series CD-ROM into the Macintosh. Open the CD window and double-click the "Elite Color 16 Series Installer" icon. Follow the instructions on-screen to run through the installation process.

For additional information regarding software installations (including illustrated step-by-step instructions), refer to the Getting Started Guide that shipped with the printer, or the Macintosh Software Installation Guide PDFs on your CD-ROM.

Locating User Documentation

To locate other documentation that will assist you in operating and maintaining your printer, go to the MANUALS folder on the Elite Color 16 Series CD-ROM. You can open and read these manuals directly from the CD-ROM, save the manuals to the hard drive of your computer, or print the manuals. The MANUALS folder includes the following documents in Adobe PDF format:

- User Guide
- Software Installation Guides

Refer to the README.TXT file (Windows) or the Read Me First file (MacOS) included on the CD-ROM for more information about the documentation.

Printing a Configuration Summary

Your printer can print a configuration summary that lists the currently selected status of menu options, media selections in trays, options installed and other relevant information about your printer. To print a Configuration Summary, follow these steps:

1. From the Ready status, press MENU, the control panel display will read:

Menu

Paper Menu

2. Press PREVIOUS or NEXT until the display reads:

Menu

Functions

3. Press SELECT, the display will read:

Functions

Reset Printer

4. Press NEXT or PREVIOUS until the display reads:

Functions

Print Summary

5. Press SELECT. A two page Configuration Summary will print. An example of a Configuration Summary appears on the following page.

NOTE: Depending upon the options installed and menu settings, your Configuration Summary may vary.

GCC Elite Color 16 Series

MENUS

Paper Menu

Copies = 1
Duplex = Off
Duplex Bind = Long Edge
Default Source = Tray 2
Manual Feed = Off

Media Size/Type

Tray 1

Media Size = US Letter
Media Type = Plain

Tray 2

Media Type = Plain

Tray 3

Media Type = Plain

Tray 4

Media Type = Plain

Tray Linking = On
Blank Pages = Print
Tray 1 First = On
Gloss Level = Low
Auto Resize = Off

Interface Menu

Port

Parallel = On
Network Card 1 = On
USB = On

Parallel Setup

Interpreter = Auto Switch
Format = Raw
Mode = Bidirectional
Delay Out Close = Off

Network 1 Setup

Interpreter = Auto Switch
Format = Raw

Network Channel

Netware = On
DEC LAT = Off
AppleTalk = On
TCP/IP = On
Network Address = 00C0B0060003
IP Address = 010.003.006.082
Subnet Mask = 255.000.000.000
Default Router = 010.001.001.001
LPD Banner = On
DHCP = On
Netware Frame = Auto-Sense
Delay Out Close = Off

Network 1 Setup cont'd

USB Setup

Interpreter = Auto Switch
Format = Raw
Delay Out Close = Off

PS Menu

Print PS Errors = Off
Manual Feed TO = 0

PCL Menu

Orientation = Portrait
Font Source = Internal
Font Number = 12
Pitch = 10.00
Symbol Set = 10U:PC-8 CP437
Macro Filter = Off
Lines Per Page = 51
CR Mode = CR=CR
LF Mode = LF=LF
FF Mode = FF=FF
Print Area = Normal

Parameter Values

Paper Source

Tray 1 = 8
Tray 2 = 1
Tray 3 = 4
Tray 4 = 5
Auto-Select = 7

Paper Size

US Executive = 1
US Letter = 2
US Legal = 3
US Statement = 4
US Legal 13" = 5
A6 = 24
A5 = 25
A4 = 26
JIS B5 = 45
Env. Monarch = 80
Env. Comm. #10 = 81
Env. DL = 90
Env. C5 = 91

System Menu

Display Language = English
Alarm Control = Single
Wait Timeout = 20
Job Timeout = 0
Jam Recovery = On



Adobe® PostScript® 3™



printers

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Printing PCL and PostScript Font Lists

Your printer has the capability of printing lists of all installed PCL or PostScript fonts. To print a Font List, follow these steps:

1. From the Ready status, press MENU, the control panel display will read:

Menu

Paper Menu

2. Press PREVIOUS or NEXT until the display reads:

Menu

Functions

3. Press SELECT, the display will read:

Functions

Reset Printer

4. Press NEXT or PREVIOUS until the display reads:

Functions

Print Fonts

5. Press SELECT, the display will read:

Print Fonts

PCL Fonts

NOTE: You may toggle between PCL Fonts and Postscript Fonts using the PREVIOUS or NEXT push-buttons.

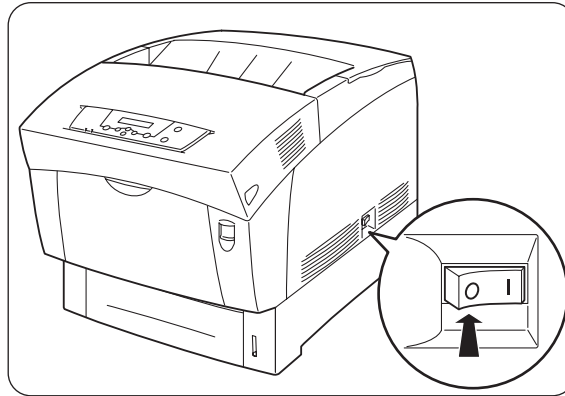
6. Press SELECT. A multi page resident Font List will print. For examples of PCL and PostScript Fonts Lists, refer to [“Appendix C”](#).

Turning the Printer Off

Remember to turn off the printer at the end of day or when the printer will not be used for an extended period of time.

NOTE: When the printer is turned off, all print data still in memory will be erased.

Set the power switch to the [O] position to turn off the printer.



Chapter 2

Maintenance

In this Chapter . . .

- “About this Chapter” on page 2-2
- “Names and Functions of the Printer’s Parts” on page 2-2
- “Paper Handling” on page 2-6
- “Cleaning” on page 2-21
- “Transporting the Printer” on page 2-24

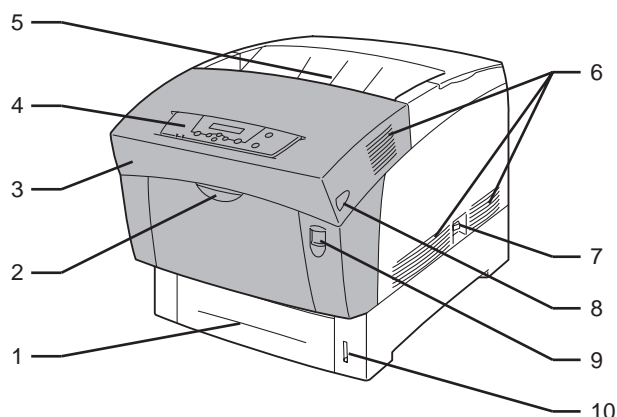
About this Chapter

This chapter explains any necessary maintenance procedures, such as feeding paper, cleaning, and other procedures required for normal operation.

Names and Functions of the Printer's Parts

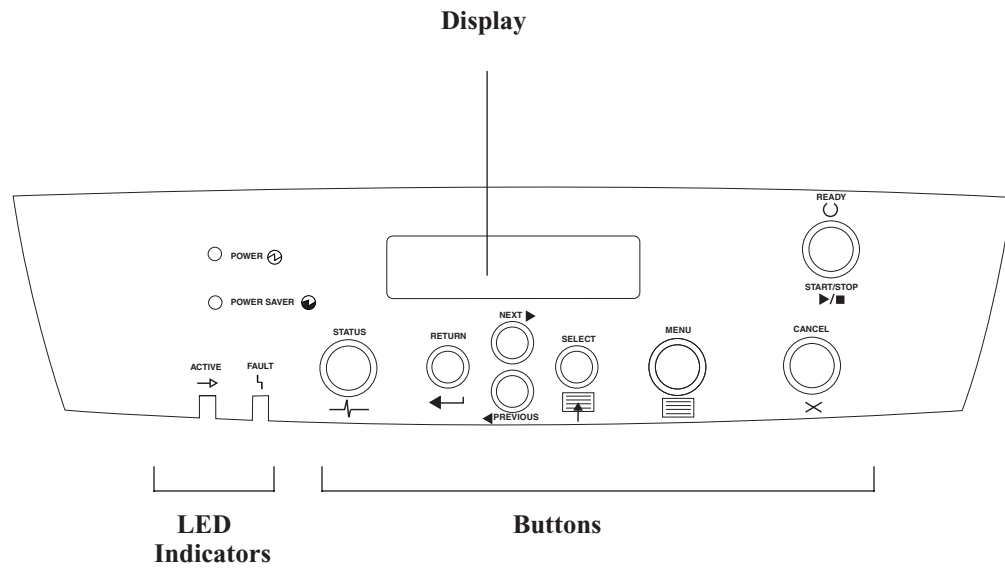
The names and functions of the various parts of the printer are as follows:

Front View

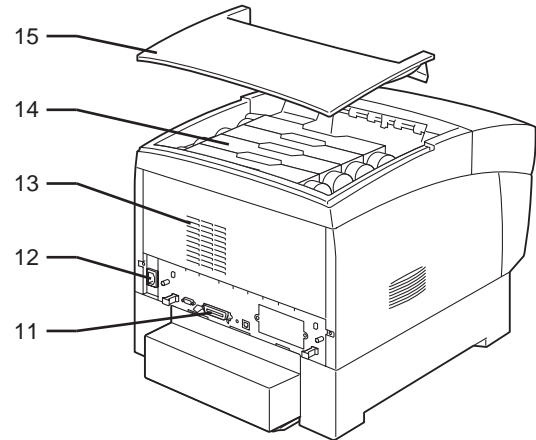


No.	Name	Description
1	Tray 2 (Paper Tray)	Load paper here.
2	Tray 1 (Multi purpose Tray)	Use this tray when feeding manually to load items such as postcards and envelopes.
3	Front Cover	Open to clear paper jams and to replace the drum cartridge, transfer roller cartridge, and fuser unit.
4	Control Panel	Use the buttons and display to control the printer.
5	Face Down Tray	Printed documents are output here, printed side down.
6	Exhaust Grills	Allow internal heat to dissipate. Make sure the grilles are never obstructed.
7	Power Switch	The printer's power switch. Press [I] to turn the printer on, and [O] to turn it off.
8	Button B	Use button B to open the upper part of the front cover.
9	Button A	Use button A to open the whole front cover.
10	Paper Meter	Use the meter as a guide to refill the paper tray.

Control Panel

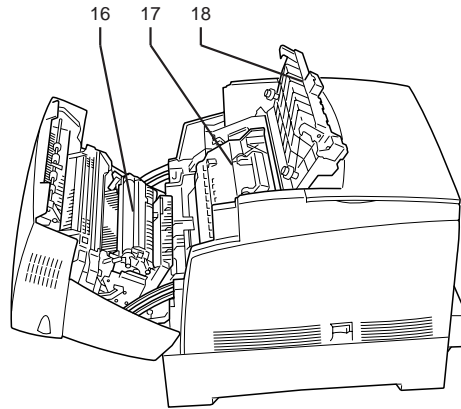


Rear View

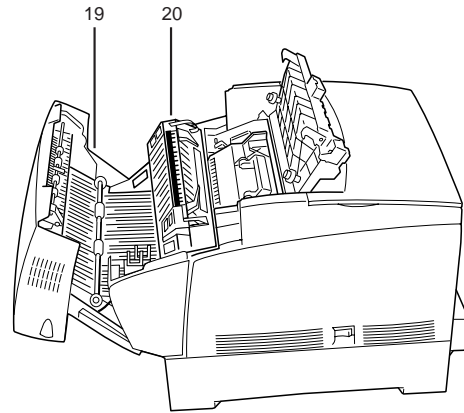


No.	Name	Description
11	Interface Connector	Connect the printer to your computer or network here.
12	Power Cord Connector	Connect the power cord here.
13	Exhaust Grille	Allows internal heat to dissipate. Make sure the grille is never obstructed.
14	Toner Cartridges	The black, yellow, magenta, and cyan toner cartridges are inserted here.
15	Top Cover (face down tray)	Acts as the top cover and the face down tray of the printer. Remove it to change the toner cartridges. Printed documents are output here, printed side down. Do not operate the printer without the Top Cover.

Internal View



Cover open with button A



Cover open with button B

No.	Name	Description
16	Transfer Roller Cartridge	Transfers the image created on the drum surface to the paper, and collects used toner.
17	Drum Cartridge	Consists of the light-sensitive drum, the developer and the transfer roller. Images are initially created as an electrical charge on the surface of this drum.
18	Paper Outlet Cover	Open to replace the drum cartridge and fuser unit.
19	Paper Rotator	With duplex printing, it turns the paper over after the front surface is printed.
20	Fuser Unit	Fuses the toner to the paper with heat. The fuser unit gets very hot during printing. Do not touch it to avoid burns.

Paper Handling

Using paper that is unsuitable for printing can cause paper jams and deteriorate print quality. We recommend using the types of paper listed below to obtain the best results from your printer.

Selecting Print Media

Your printer can print on a variety of media, including plain paper, labels, transparencies, and envelopes. Always use print media that meet the guidelines for use with this printer. Print media that is not recommended for use with this printer may cause frequent paper jams or poor print quality.

NOTE: Expect a slight reduction in image quality when you print on envelopes, labels, transparencies, or postcards.

Specialty Paper

In addition to plain paper, you can use the following types of specialty paper.

- Monochrome transparency sheets (no white border)
- Label sheets (uncut)
- Envelopes
- Postcards
- Card stock (max. density 80lb. (216 g/m²))
- Coated paper
- Glossy paper
 - When printing on rigid cardboard, the image position may shift.
 - When printing on coated or glossy paper, feed the sheets one at a time. Moisture can cause the sheets to stick together causing more than one sheet to be fed, which can result in malfunction or damage.
 - Do not use envelopes that have a tape seals on the adhesive of the flap. You can use pre-glued envelopes if the adhesive on the flap is dry.
 - Using postcards that have already been printed to on one side and are warped can cause paper jams. Flatten warped postcards with your hands before loading them. We do not recommend printing on multicolored postcards.

Print Media Weight, Type, and Size

The following table defines print media that you can use in each of the paper sources. If you have concerns about a specific brand or type of media, try samples of the media to determine if the resulting printer performance and print quality meet your expectations.

Paper Source	Basis Weight	Paper Type/Size	Paper Dimensions
Universal Paper Tray (main tray and optional 550 sheet paper feeder) Do not use label stock or other special media in the 500 sheet paper tray.	Plain Paper: 16 to 28lb. (60 to 85g/m ²)	US Letter	8.5 x 11 inches 215.9 x 279.4 mm
		US Legal	8.5 x 14 inches 215.9 x 355.6 mm
		US Legal 13	8.5 x 13 inches 215.9 x 330.2 mm
		US Executive	7.2 x 10.5 inches 184.5 x 266.7 mm
		A4	210 x 297mm 8.27 x 11.7 inches
		A5	149 x 210 mm 5.9 x 8.27 inches
		JIS B5	182 x 257 mm 7.17 x 10.12 inches
Front Tray	Plain Paper: 16 to 28lb. (60 to 85g/m ²) Bond Paper: up to 57lb. (216g/m ²) Card Stock: up to 80lb. (216g/m ²) Envelopes: up to 24lb. (90g/m ²) Postcards: up to 51lb. (190 g/m ²)	Envelopes Transparencies Labels Postcards Standard Paper Other Papers	As above

Suitable Paper Types

Paper Trays, Types, and Sizes

You can load the following types of paper into the paper tray or multi purpose tray.

Feeding Method	Paper Type/Number of Sheets		Size
Multi Purpose Tray (Tray 1)	Plain paper Postcards Envelopes Label sheets Transparency sheets (for monochrome printing only) Cardboard Thick 1, Thick 2, Thick 3	Up to 100 sheets or a 0.5 inch (10 mm) stack	US Letter US Legal US Legal 13 A4 A5 JIS B5 US Executive Postcards Envelopes (see page 2-7 for paper dimensions)
	Coated paper	Single sheet	Note: Using low-quality paper can cause creasing and deteriorate print quality.
Standard paper tray (Tray 2)	Plain paper	Up to 500 sheets or a 2.2 inch (56mm) stack	US Letter US Legal US Legal 13 A4 A5 JIS B5 Executive (see page 2-7 for paper dimensions)
High Capacity Feeder (Trays 3 and 4)		For A5 portrait, you can use up to 350 sheets or a 1.5 inch (40 mm) stack.	

NOTE: The number of sheets that you can load varies according to paper thickness.

Duplex Printing Paper Types and Sizes

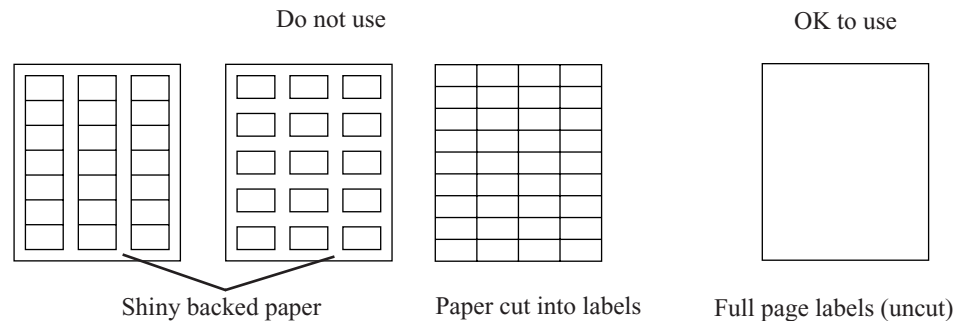
The various paper types and sizes you can use for duplex printing are as follows:

Paper Type	Size
Plain paper	US Letter US Legal US Legal 13 A4 A5 JIS B5 US Executive

Unsuitable Paper types

Avoid using the following paper types as they can cause paper jams or damage to the printer.

- Color transparency sheets (bordered by white frame).
- Ink jet paper
- Paper that is too thick or too thin
- Paper already printed using another printer or copier
- Folded, creased or torn paper
- Damp or wet paper
- Undulated or warped paper
- Sheets adhered by static electricity
- Layered or adhesive paper
- Specially coated paper
- Colored paper with a treated surface
- Paper printed with ink that cannot withstand temperatures of 155°C.
- Heat-sensitive paper
- Carbon paper
- Paper with staples, paper clips, tape or ribbons attached
- Paper with a rough surface such as textured or fiber form paper
- Using acidic paper can cause the characters to fade over time. Use neutral paper to prevent this problem.
- Envelopes with a rough surface or clips attached
- Envelopes with sticky adhesive
- Label sheets where the backing has peeled away or are pre-cut.



- T-shirt transfer paper (Heat press use)
- Transfer paper (cold water use)
- Luminous paper
- Digital coated glossy paper
- Label film (transparent, colorless)

Storing Paper

Failure to store paper properly can cause paper jams, deteriorate print quality, and/or damage to the printer. Store paper under the following conditions:

- Between 50 and 86°F (10°C and 30°C)
- Between 30% to 65% relative humidity
- In a dry place
- After opening the package, wrap unused sheets in their original package and store in a cabinet or other dry place.
- Store paper on a flat surface. Do not lean paper against other objects or place it in an upright position.
- Avoid storing paper in way that may cause creasing, folding or curling.
- Store paper away from direct sunlight.

Loading Paper

This section describes the following loading methods:

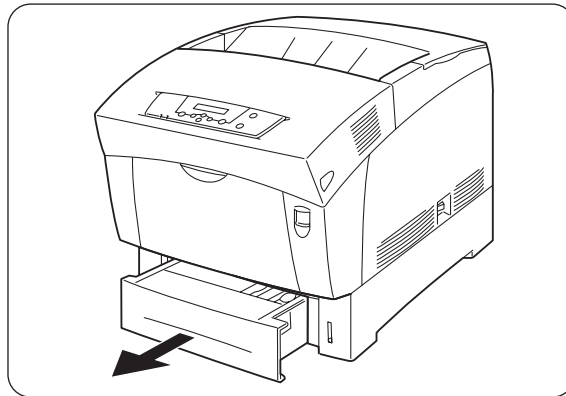
- Loading paper in the paper tray
- Loading paper in the multi purpose tray
- Loading transparency sheets in the multi purpose tray
- Loading postcards in the multi purpose tray
- Loading envelopes in the multi purpose tray

NOTE: For information about suitable paper types, refer to “[Paper Handling](#)” on page 2-6.

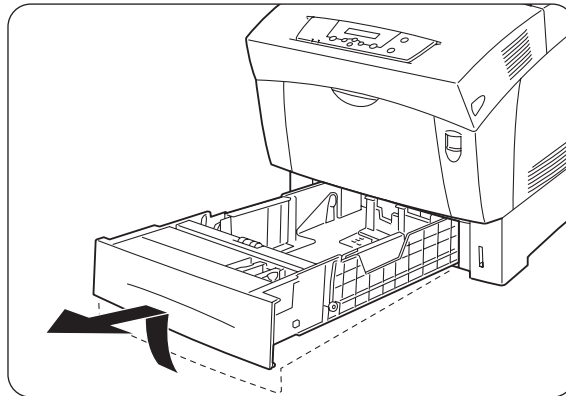
Loading Paper in the Paper Tray (Tray 2)

Follow the procedure below to load paper into the paper tray.

NOTE: Load paper into the optional High Capacity Feeder the same way.

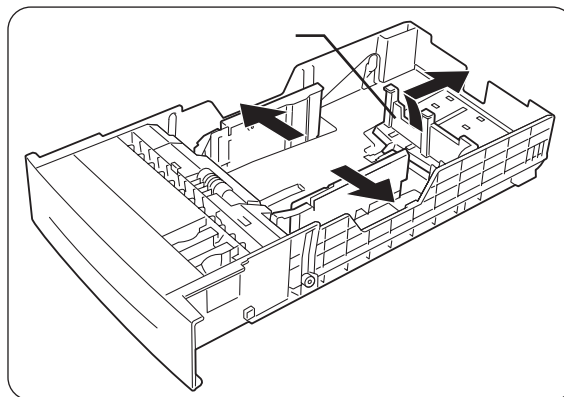


1. Gently pull out the paper tray until it stops.



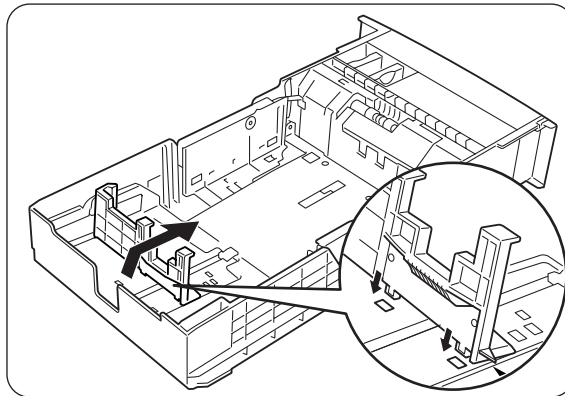
2. Hold the tray with both hands, lift the front slightly and pull it completely out of the printer.

NOTE: Place the tray on a flat surface.

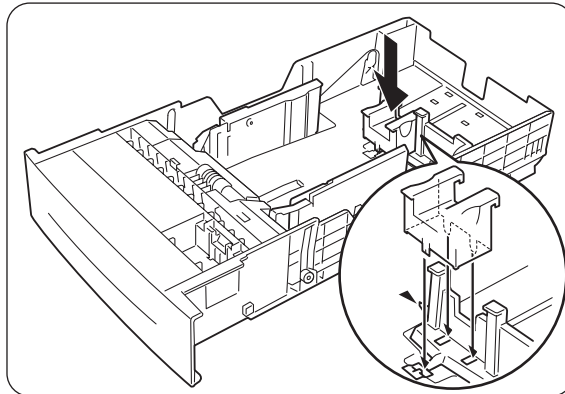


3. Move the end and side paper guides to their outermost positions. Gently lift the end paper guide to move it.

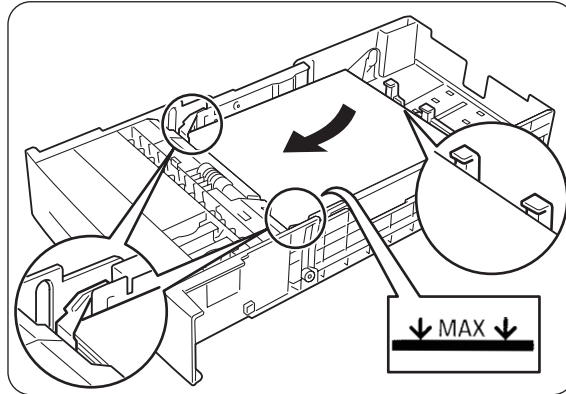
NOTE: You do not need to move the paper guides if you are refilling the tray with paper of the same size.



4. Grip the end paper guide with your fingers and gently lift it up. Insert the pins at the bottom of the guide in the holes corresponding to the paper size that you want to load.

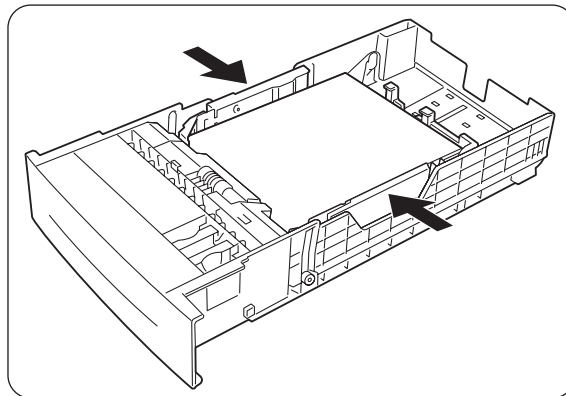


- NOTE:** Make sure that the end guide is properly inserted into the holes corresponding to the appropriate paper size.
Only a small amount of movement of the end paper guide can make automatic paper size detection impossible. If this occurs, move the end paper guide all the way to its outermost position again, then realign it with the appropriate paper size mark.
To set A5 paper, use the provided A5 spacer.
- Remove the A5 spacer from the tray.
 - Set the end guide into the appropriate paper size mark, and then insert the A5 spacer in front of the end guide.



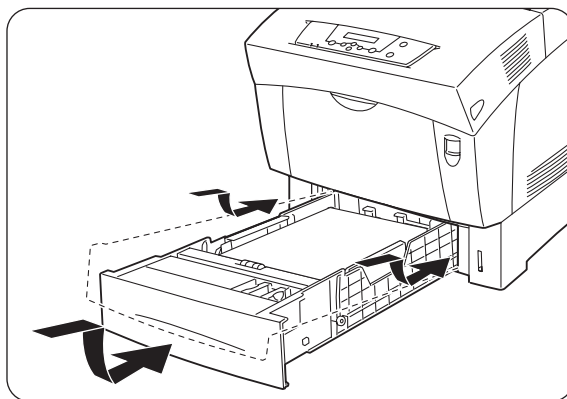
- 5.** Align the four corners of the paper stack and insert the paper (print side up) under the tab.

- NOTE:** Do not use paper that is folded, creased, or heavily warped.
Do not overload the paper tray.

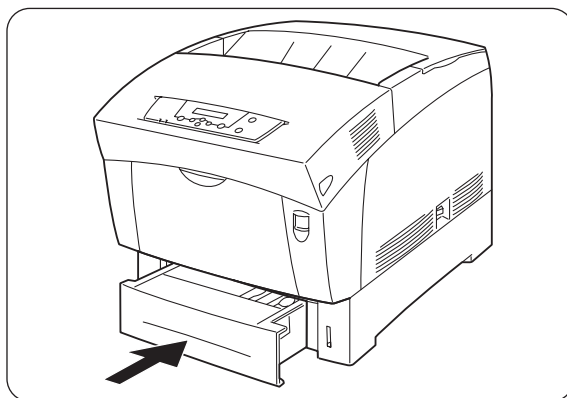


- 6.** Align the side guides with the edges of the paper.

NOTE: Pushing the paper guides too hard against the edges of the paper stack can cause a paper jam. However, if the paper guides are too loose, the paper may twist as it feeds through the printer.

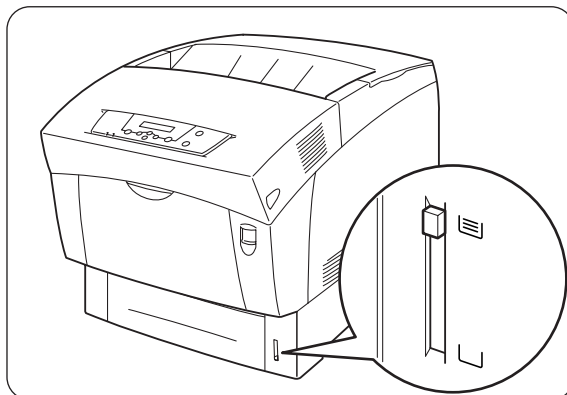


7. Hold the paper tray with both hands, align it with the opening in the printer and gently insert it.



8. Push the paper tray completely back into the printer.

NOTE: Do not use excessive force on the paper tray.

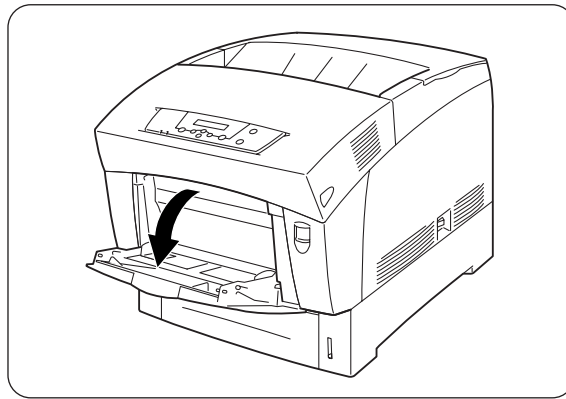


NOTE: There is an indicator next to the paper tray that tells you how much paper remains in the tray. Use this meter as a guide to refill the paper tray.

Loading Paper in the Multi Purpose Tray (Tray 1)

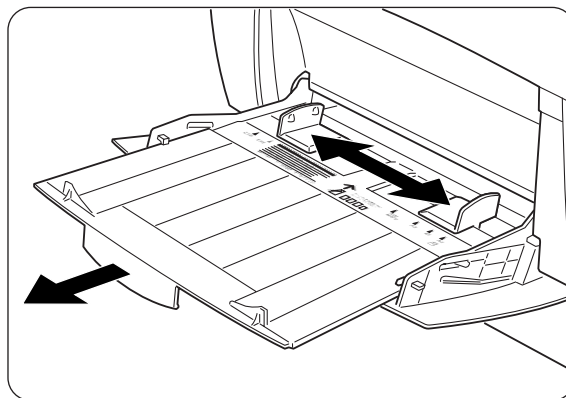
Follow the procedure below to load paper into the multi purpose tray.

NOTE: To avoid paper jams, do not load paper of different sizes into the tray at the same time and do not refill the tray before it is empty.



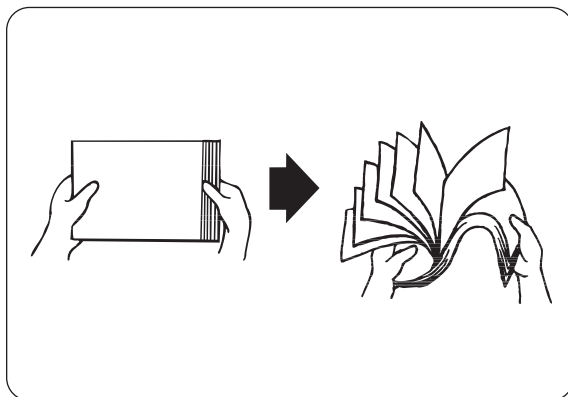
1. If retracted, open the tray.

NOTE: To avoid damage to the tray, do not use excessive force or place heavy objects on the tray.



2. Align the paper guide with the mark of the desired paper size.

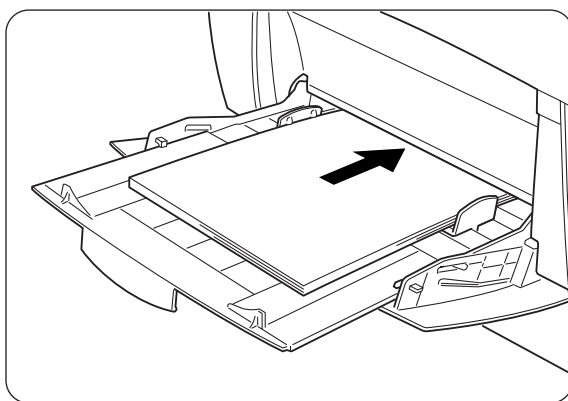
NOTE: When printing on long paper, pull out the tray extension. Printing long paper with the tray extension retracted can cause the paper to fall out or make feeding impossible.



3. When using media such as transparency sheets, label sheets, or envelopes, fan the stack before loading so that there is air between the sheets.

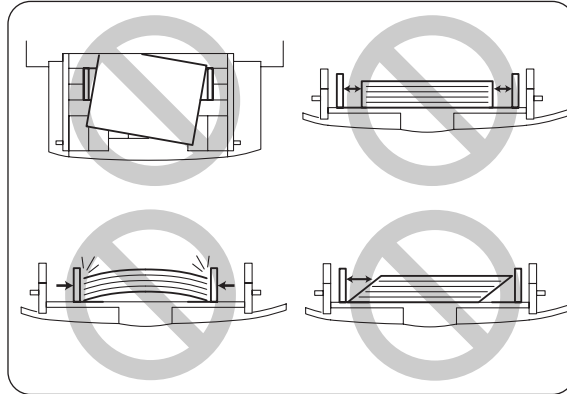
NOTE: Fanning the stack helps prevent paper jams caused when more than one sheet feeds at the same time.

NOTE: Do not fan plain paper before loading.
If the paper is poorly cut and the edges are not clean, remove any unsuitable sheets before loading the paper.
When printing on coated or glossy paper, feed the sheets one at a time. Moisture can cause the sheets to stick together causing more than one sheet to be fed, which can result in malfunction or damage.



4. Align the four corners of the paper stack and insert it (print side down) until it lightly touches the feeding slot.

NOTE: Do not use paper that is folded, creased, or heavily warped.
Do not overload the paper tray.



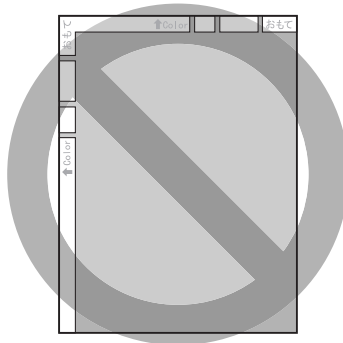
5. When loading paper, carefully align the paper guides with the edges of the paper so that there is a small gap between the paper stack and the guides. Pushing the paper guides too hard against the edge of the paper stack can warp the paper and cause paper jams. Load the paper so that it is straight in the tray.

NOTE: If the paper is not loaded correctly, the printing position may shift and cause incorrect printing.

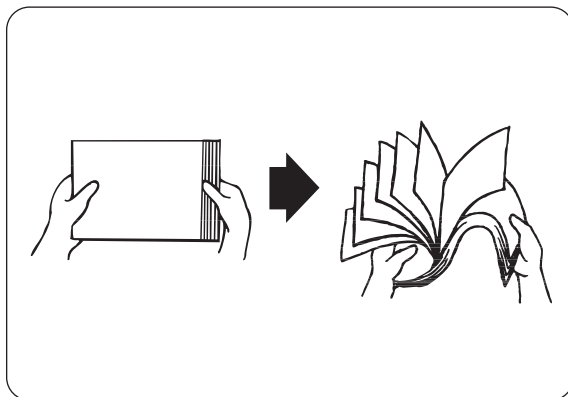
Loading Transparency Sheets in the Multi Purpose Tray (Tray 1)

Feed transparency sheets from Tray 1. Use only monochrome transparency sheets (see note).

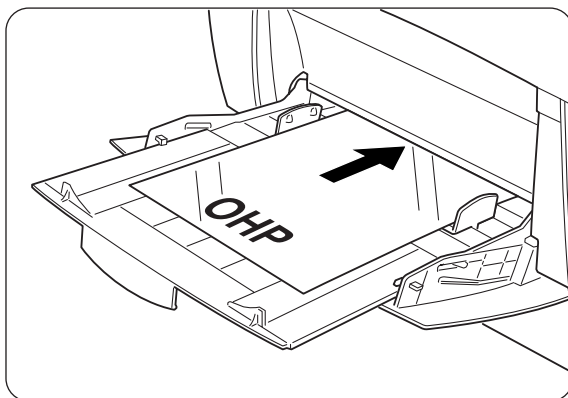
NOTE: Use only the recommended types of transparency sheet. Do not use any other types, such as color transparency sheets (bordered by a white frame).



NOTE: Remove each transparency sheet from the face down tray as soon as it is ejected. If transparency sheets are allowed to accumulate in the face down tray, static electricity can build up and cause a jam.



1. Fan a few transparency sheets at a time.



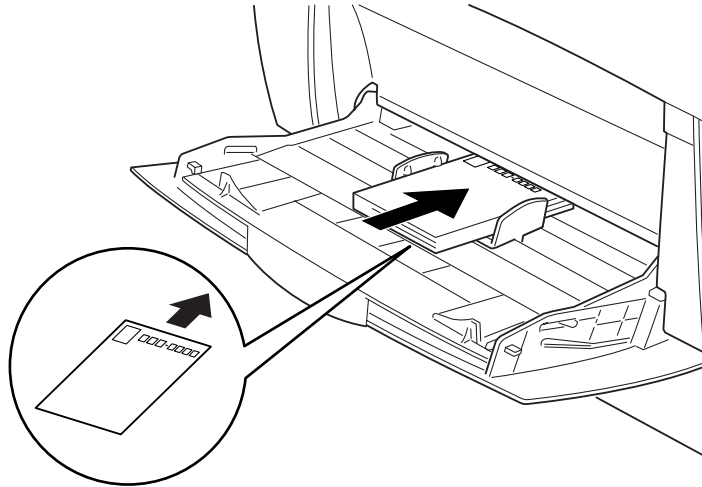
2. Insert the transparency sheets into the multi purpose tray until they lightly touch the feeding slot.

NOTE: Do not use full color transparency sheets. They can jam in the printer and damage the fuser unit.

Loading Postcards in the Multi Purpose Tray (Tray 1)

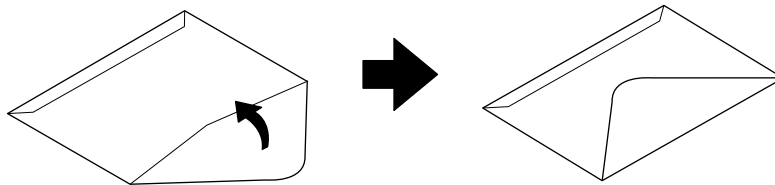
Feed postcards from Tray 1.

NOTE: When printing on the back of pre-printed postcards, make sure the postcards are not bent. Even slightly bent postcards can cause paper jams. Flatten bent postcards by hand before loading them. We do not recommend printing on multicolored postcards.

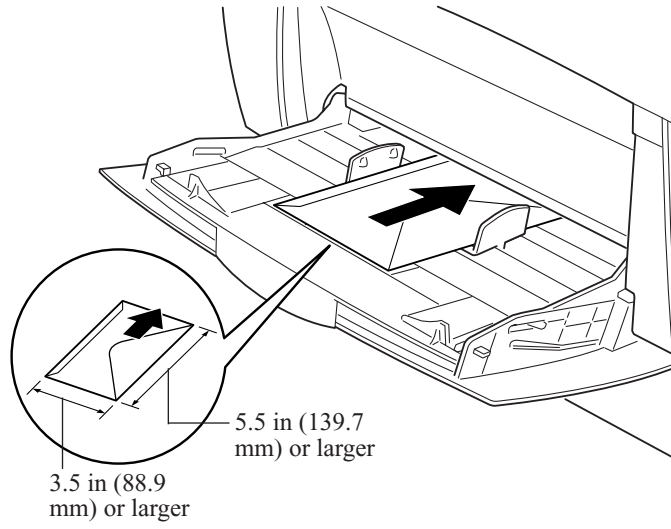


Loading Envelopes in the Multi Purpose Tray (Tray 1)

Feed envelopes from the Tray 1. Open the envelope flaps before feeding and load them as illustrated below.



NOTE: Do not use envelopes that have tape seals. When using envelopes with an adhesive seal, make sure that the adhesive is dry. Do not use envelopes smaller than 3.5 inches wide and 5.5 inches long (88.9 mm wide and 139.7 mm long). Load the envelopes with the flap pointing outward. Using poor quality envelopes can cause creasing and deteriorate print quality.

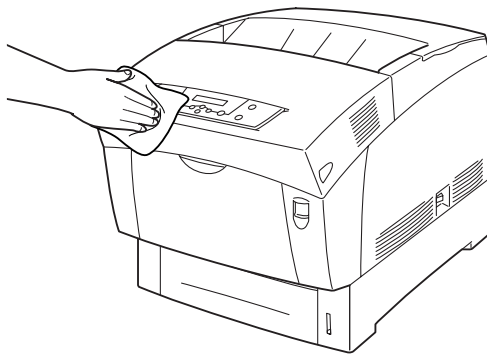


Cleaning

Use a soft, damp, well-wrung cloth to clean the outside of the printer. Wipe any remaining water with a soft dry cloth. If some stains prove difficult to remove, use a cloth moistened with a mild neutral detergent. We recommend that you clean the printer at least once a month to keep it in good working condition and to maintain print quality.



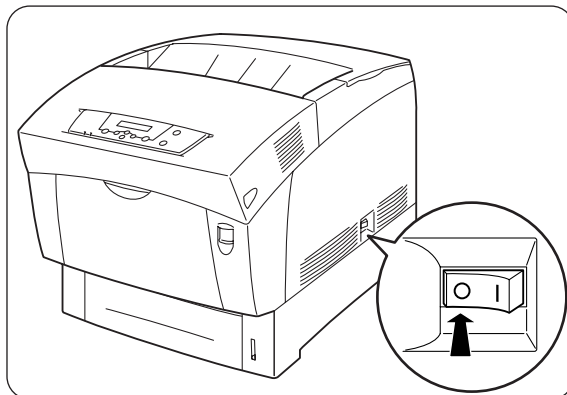
CAUTION: To prevent electric shock, turn off the printer and unplug the power cord from the AC outlet before cleaning.



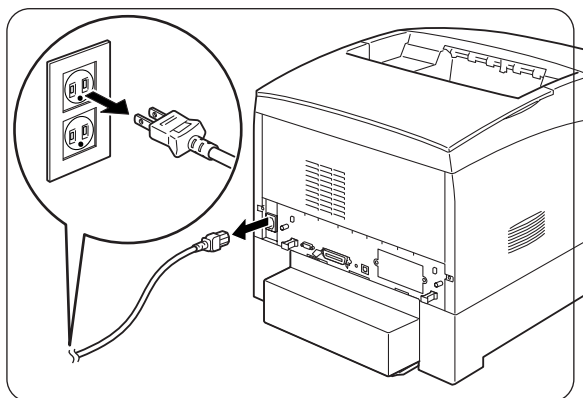
NOTE: Never spray detergent directly onto the printer. Droplets of detergent can enter the printer and cause malfunctions. Never use detergents other than neutral detergents.
Never lubricate the printer with oil. The printer does not require lubrication.
Never use a vacuum cleaner to clean the printer.

Storing the Printer

Follow the procedure below when you do not need to use the printer for a long period.



1. On the right side of the printer, press [O] on the power switch to turn off the printer.



2. Disconnect the power cord, interface cable, and any other cables.

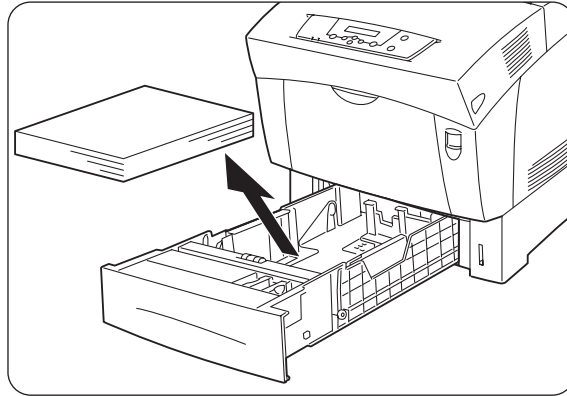


WARNING: To prevent electric shock, never touch the power plug with wet hands.



CAUTION: When removing the power cord, make sure that you pull the plug and not the cord. Pulling the cord can damage it, which can lead to fire or electrical shock.

3. Remove any remaining paper from the paper tray and store it in a dry, dust-free place.



NOTE: If the paper proves difficult to remove, pull the tray completely out of the printer and try removing the paper again.

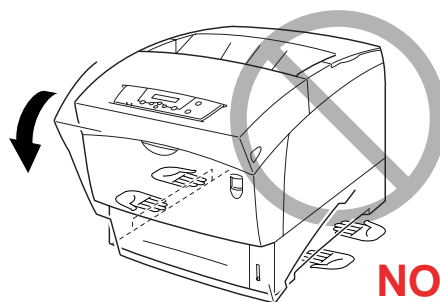
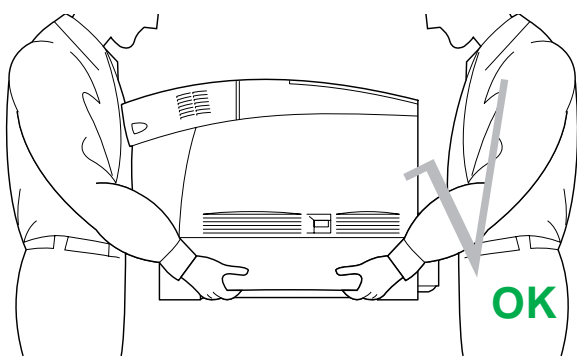
Transporting the Printer

Before transporting the printer by car or truck over long distances, follow the procedure below to prevent strong vibrations from damaging the printer.



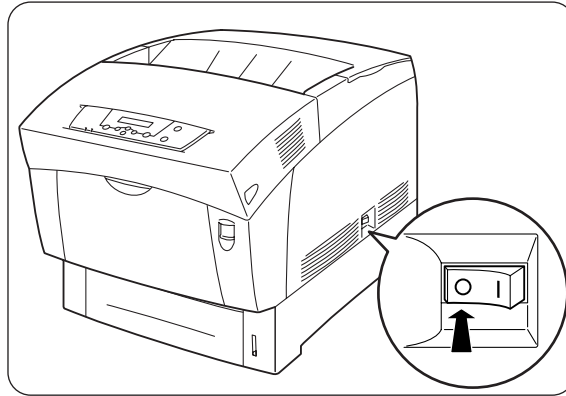
CAUTION:

- Because the printer weighs 76 lb. (34.5 kg) fully assembled, make sure that at least two people carry it.
- To lift the printer, face the front and back of the printer and grip the recessed areas at the bottom left and right with both hands. Never try to lift the printer by gripping any other areas. Lifting the printer by gripping other areas can cause the printer to fall, resulting in injury.
- Bend your knees when lifting the printer to avoid back injuries.

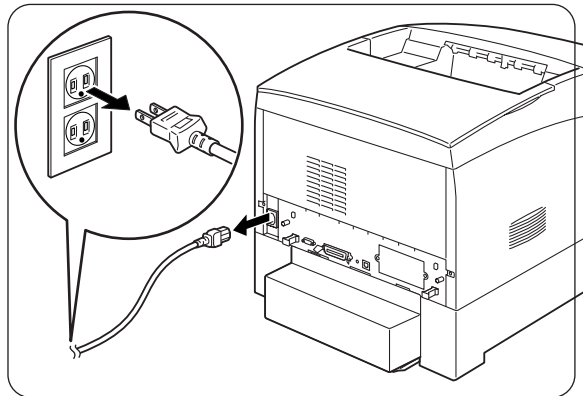


There is danger of the printer falling.

NOTE: When carrying the printer, keep it level to prevent trays or consumables from falling out. Do not tilt it more than 10 degrees in any direction.
Do not remove the toner cartridges before moving the printer. Toner may spill inside the printer and damage it.
When the optional High Capacity Feeder is installed, remove it before transporting the printer. If the High Capacity Feeder is not removed, it may fall, resulting in damage or injury. To remove the High Capacity Feeder, refer to [Chapter 6 “Options”](#).



1. On the right side of the printer, press [O] on the power switch to turn off the printer.



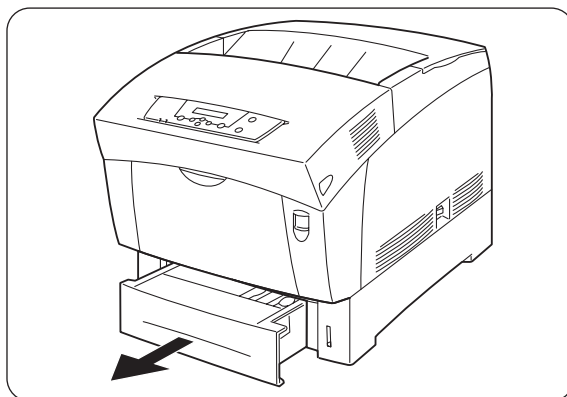
2. Disconnect the power cord, interface cable, and any other cables.



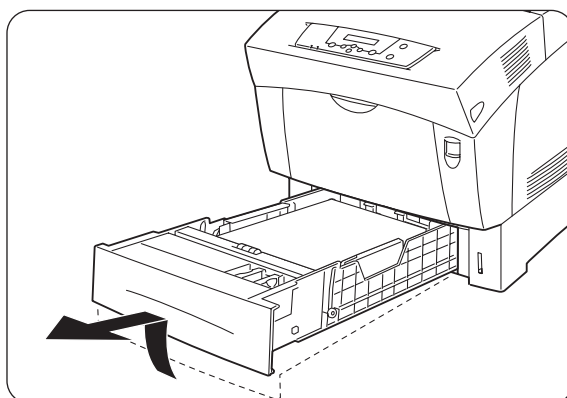
WARNING: To prevent electric shock, never touch the power plug with wet hands.



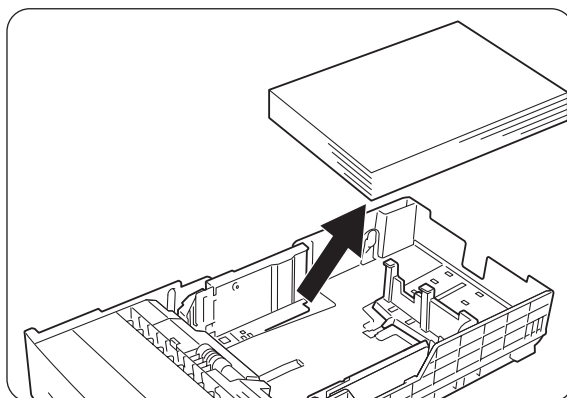
CAUTION: When removing the power cord, make sure that you pull the plug and not the cord. Pulling the cord can damage it, which can lead to fire or electrical shock.



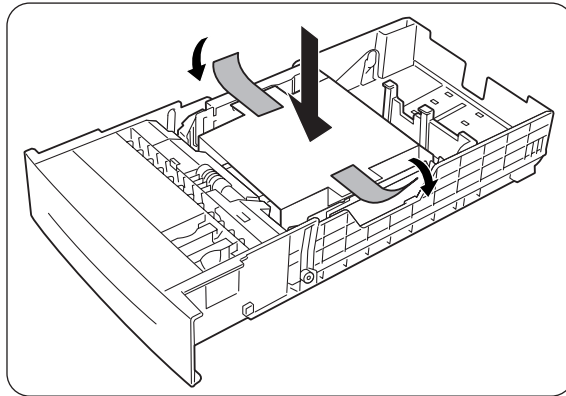
3. Gently pull out the paper tray until it stops.



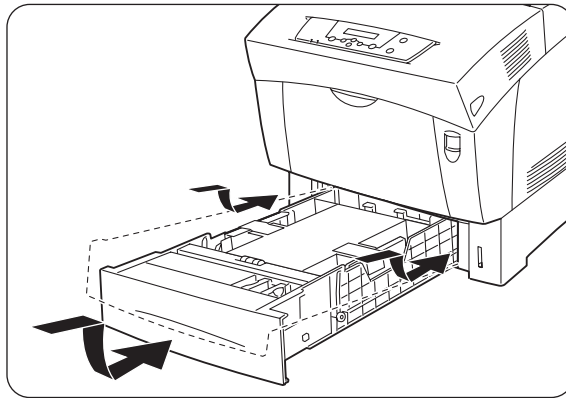
4. Hold the tray with both hands, lift the front up slightly and pull it completely out of the printer.



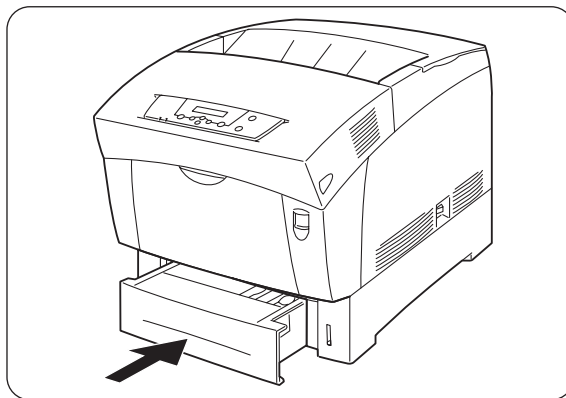
5. Remove the paper from the paper tray, and store it in a dry, dust-free place.



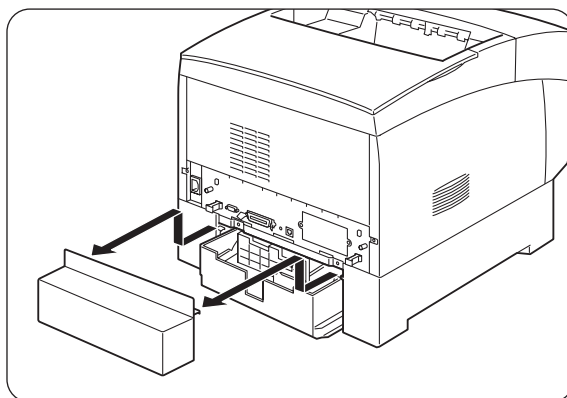
6. Insert the cardboard spacer in the tray as illustrated on the left.



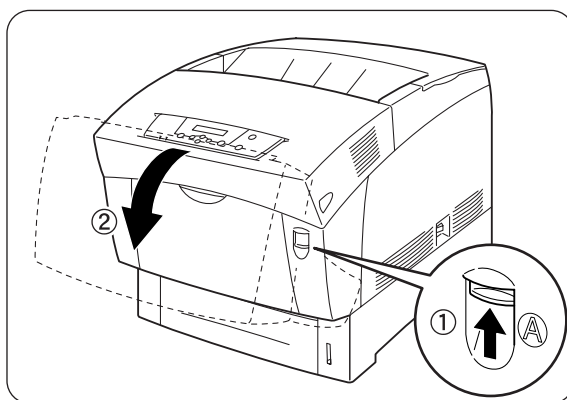
7. Hold the paper tray with both hands, align it with the opening in the printer and gently insert it.



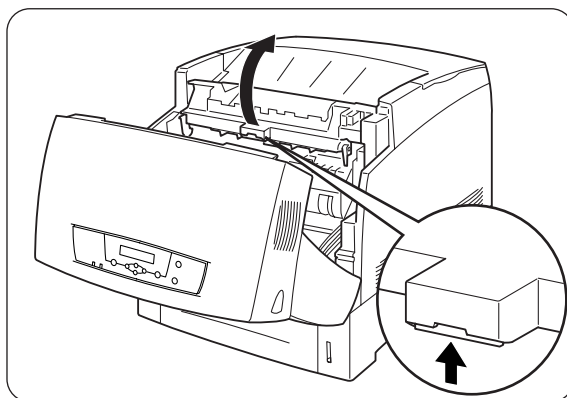
8. Push the paper tray completely back into the printer.



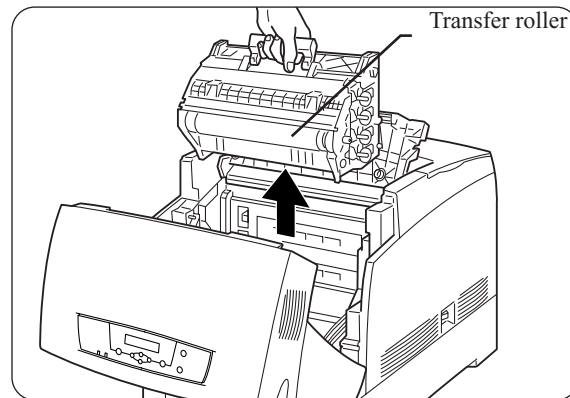
9. Remove the optional tray cover, if equipped.



10. Push up button 'A' 1 and fully open the front cover 2.



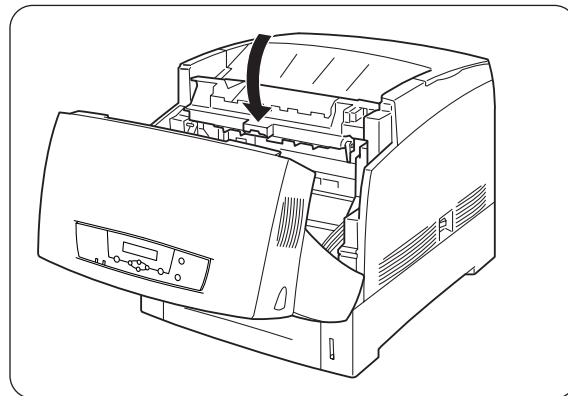
11. Open the paper outlet cover.



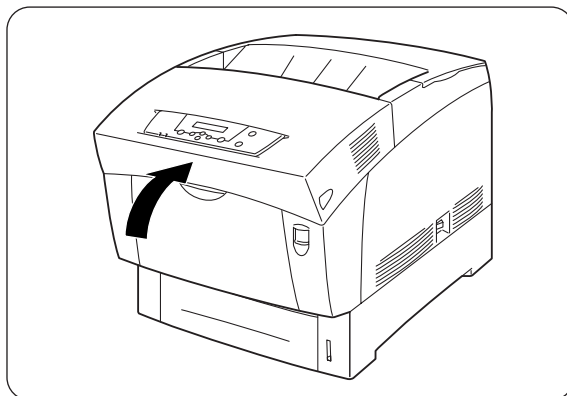
12. Grip the drum cartridge handle and gently lift it out of the printer.

NOTE: Do not touch the transfer roller (black colored part). Hold the drum cartridge by the handle on top of the cartridge to prevent the cartridge from falling.

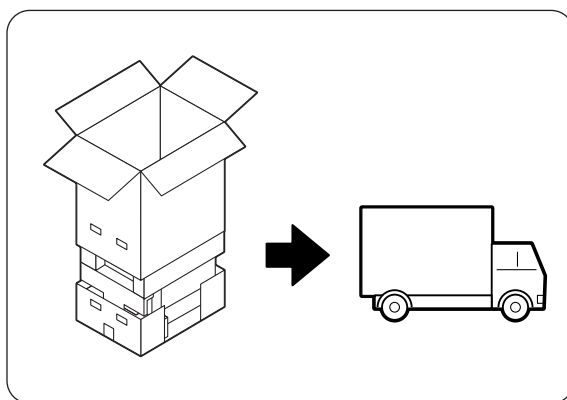
NOTE: Wrap the drum cartridge in its aluminum package or thick paper to avoid exposing it to direct sunlight or other strong light.



13. Close the paper outlet cover.



- 14.** Close the front cover.



- 15.** To protect the printer from damage, pack it in a box before transporting it.

NOTE: After moving the printer to the new location, you need to readjust the color registration. For details, refer to [“Adjusting Color Registration” on page 1-26.](#)



Chapter 3

Dealing with Problems

In this Chapter . . .

- “About this Chapter” on page 3-2
- “Troubleshooting” on page 3-2
- “Solving Printer Power-on Problems” on page 3-11
- “Control Panel LCD Messages” on page 3-12
- “Ethernet Network Interface Troubleshooting” on page 3-14

About this Chapter

This chapter describes solutions to any problems that might occur when using the printer. Read this chapter to determine the nature of the problem and the best method of dealing with it.

Troubleshooting

When your printer suffers from a problem, refer to one of the four categories below to determine the cause of your problem, and the action needed to rectify it.

- Power problems
- Print quality problems
- Paper transport problems
- Other problems

If your problem is not included in these categories or if you cannot rectify the problem using the prescribed procedures, turn off the printer, disconnect the power cord from the AC outlet, and contact your GCC dealer or GCC Technical Support at 781-276-8620 for assistance.



WARNING: Do not make any changes or modifications to the equipment, as this may result in fire.

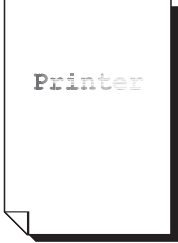

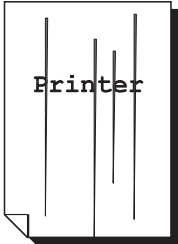


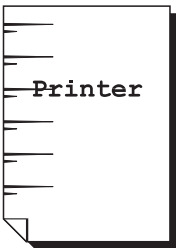
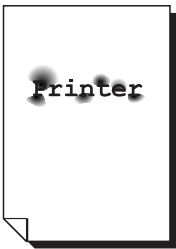

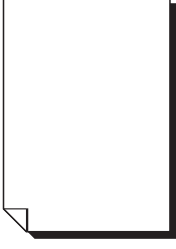
CAUTION: Turn off the printer and disconnect the power cord from the AC outlet before performing maintenance on the printer. Failure to turn off the printer and disconnect the power cord may result in electric shock.

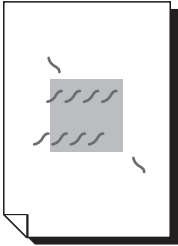
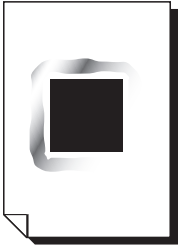

Power Problems


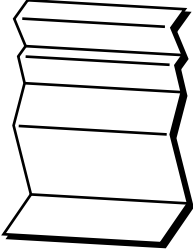

Description	Cause	Action
No power	The [I] mark of the power switch is not depressed.	Check that the power switch is in the [I] position.
	The power cord is not properly connected to the AC outlet.	Turn off the unit, confirm that the power cord is properly connected to the AC outlet, and turn the unit back on.
	The AC power supply's voltage is not suitable for use with the unit.	Confirm that the printer is connected to a power supply providing correct voltage.
The unit turns off frequently	The power cord is not properly connected to the AC outlet.	Turn off the unit, confirm that the power cord is properly connected to the AC outlet, and turn the unit back on.
	The printer is defective.	Turn off the unit, disconnect the power cord from the AC outlet, and contact your GCC dealer or a GCC Customer Service Center for assistance.

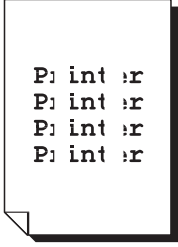
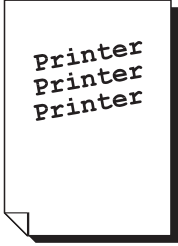
Print Quality Problems

Description	Cause	Action
<p>Faded printouts</p> 	The media is outside the recommended specification range.	Replace the media with a recommend size and type, and confirm that your printer driver settings are correct. See "Paper Handling" on page 2-6.
	The paper is damp.	Replace the paper. See "Paper Handling" on page 2-6
	The drum cartridge is old or damaged.	Replace the drum cartridge. See "Drum Cartridge" on page 5-8.
	The high-voltage supply is defective.	Contact your GCC dealer or a GCC Customer Service Center for assistance.
<p>Stray black dots or white areas (drop outs)</p> 	The paper is outside the recommended specification range.	Replace the paper with a recommend size and type, and confirm that your printer driver settings are correct. See "Paper Handling" on page 2-6.
	The drum cartridge is old or damaged.	Replace the drum cartridge. See "Drum Cartridge" on page 5-8.
<p>Vertical black streaks</p> 	The drum cartridge, transfer roller, or fuser unit is old or damaged.	Check the condition of the drum cartridge, transfer roller and fuser unit, and replace as necessary. See "Drum Cartridge" on page 5-8, or See "Transfer Roller Cartridge" on page 5-13., or See "Fuser Unit" on page 5-16.

Description	Cause	Action
Recurring smudges 	Dirt in the paper path.	Print several blank sheets.
	The drum cartridge, transfer roller, or fuser unit is old or damaged.	Check the condition of the drum cartridge, transfer roller and fuser unit, and replace as necessary. See “Drum Cartridge” on page 5-8, or See “Transfer Roller Cartridge” on page 5-13., or See “Fuser Unit” on page 5-16.
Ink smears when rubbed 	The paper is damp.	Replace the paper. See “Paper Handling” on page 2-6.
	The paper is outside the recommended specification range.	Replace the paper with a recommend size and type, and confirm that your printer driver settings are correct. See “Paper Handling” on page 2-6.
Black pages 	The drum cartridge is old or damaged.	Replace the drum cartridge. See “Drum Cartridge” on page 5-8.
	The high-voltage supply is defective.	Contact your GCC dealer or a GCC Customer Service Center for assistance.
Blank pages 	Two or more sheets may be feeding at once.	Remove the paper stack from the tray, fan it, and reinsert it.
	The drum cartridge is old or damaged.	Replace the drum cartridge. See “Drum Cartridge” on page 5-8.
	The high-voltage supply is defective.	Contact your GCC dealer or a GCC Customer Service Center for assistance.

Description	Cause	Action
<p>Hair-like marks appear in or around black half-tone printing</p> 	The paper was left unwrapped for a long time (especially in a dry environment).	Replace the paper.
	The paper is outside the recommended specification range.	Replace the paper with a recommend size and type, and confirm that your printer driver settings are correct. See “Paper Handling” on page 2-6.
	The transfer roller cartridge is old or damaged.	Replace the transfer roller. See “Transfer Roller Cartridge” on page 5-13.
<p>Shadows appear around areas of dense black printing</p> 		
<p>Color around the edge of printing is incorrect</p> 	The color registration is incorrect.	Adjust the color registration. See “Adjusting Color Registration” on page 1-26.

Description	Cause	Action
Partial blanks, creased paper or blotted printing   	The paper is damp.	Replace the paper. See “Paper Handling” on page 2-6.
	The paper is outside the recommended specification range.	Replace the paper with a recommend size and type. See “Paper Handling” on page 2-6.
	The transfer roller or fuser unit is not installed correctly.	Reinstall the transfer roller and/or fuser unit. See “Transfer Roller Cartridge” on page 5-13, and/or See “Fuser Unit” on page 5-16.

Description	Cause	Action
Vertical blanks 	The drum cartridge is not installed correctly.	Reinstall the drum cartridge. See “Drum Cartridge” on page 5-8.
	The drum cartridge, transfer roller, or fuser unit is old or damaged.	Check the condition of the drum cartridge, transfer roller and fuser unit, and replace as necessary. See “Drum Cartridge” on page 5-8, or See “Transfer Roller Cartridge” on page 5-13, or See “Fuser Unit” on page 5-16
Slanted printing 	The paper guides in the paper tray or multi purpose tray are not set correctly.	Reset the paper guides in the paper tray or multi purpose tray. See “Loading Paper” on page 2-11.

Paper Transport Problems

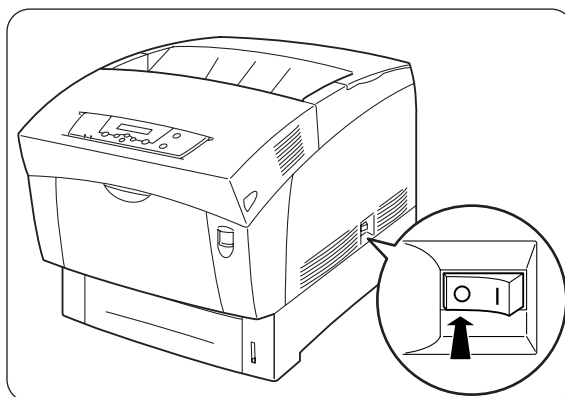
Description	Cause	Action
Paper does not feed Paper jams Several sheets feed at once Paper does not feed straight	The paper is not loaded correctly.	Reload the paper in the paper tray or multi purpose tray. See “Loading Paper” on page 2-11.
	The paper is outside the recommended specification range.	Replace the paper with a recommend size and type. See “Paper Handling” on page 2-6.
	The paper is damp.	Replace the paper. See “Paper Handling” on page 2-6.
	There is paper jammed in the printer.	Remove the jammed paper. Also, inspect the inside of the printer and thoroughly remove any tape or adhesive stuck to the rollers and other components along the paper path. See “Clearing Paper Jams” on page 3-2.
	The printer is not level.	Reposition the printer on a flat, stable surface. See “Safety Precautions” on page 5..
	The paper feed roller has deteriorated.	Check the condition of the paper feed roller and replace if necessary. See “Paper Feed Roller” on page 5-4.

Other problems

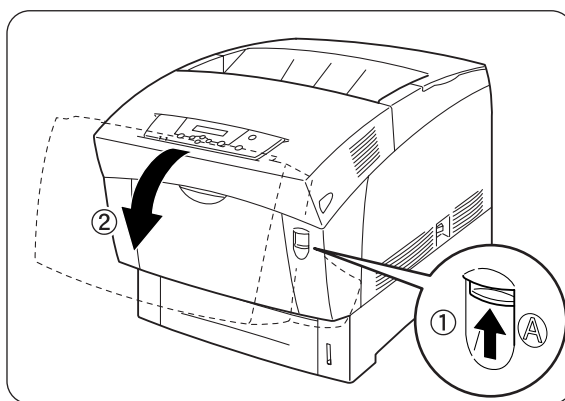
Description	Cause	Action
Unusual noises	The printer is not level.	Reposition the printer on a flat, stable surface. See "Safety Precautions" on page 5.
	The paper tray is not inserted properly.	Push the paper tray completely into the printer.
	There is a foreign object inside the printer.	Turn off the printer and remove the foreign object. If you need to disassemble the printer to remove the foreign object(s), contact your GCC dealer or GCC Technical Support for assistance.

Cleaning the Density Sensor

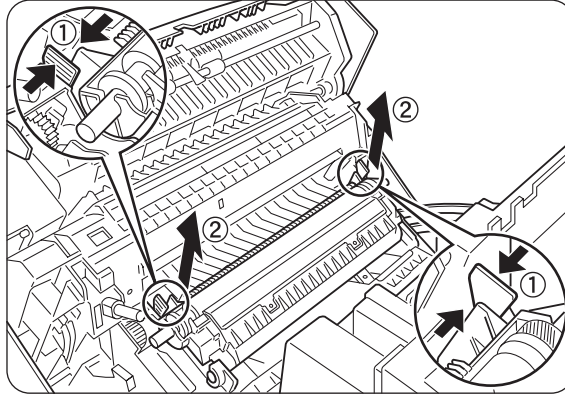
When the printer's density sensor is dirty, follow the procedure below to clean it.



1. Push the [O] mark on the power switch to turn off the printer.

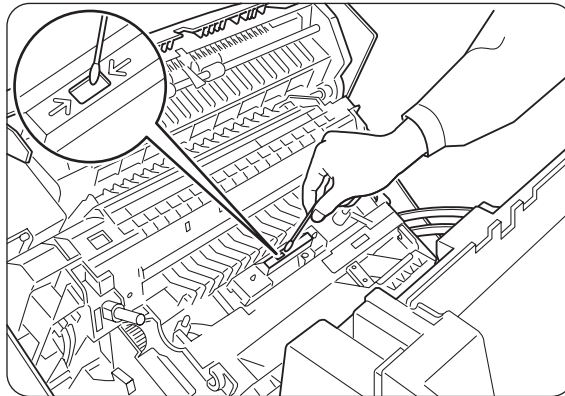


2. Push up button 'A' ① and fully open the front cover ②.



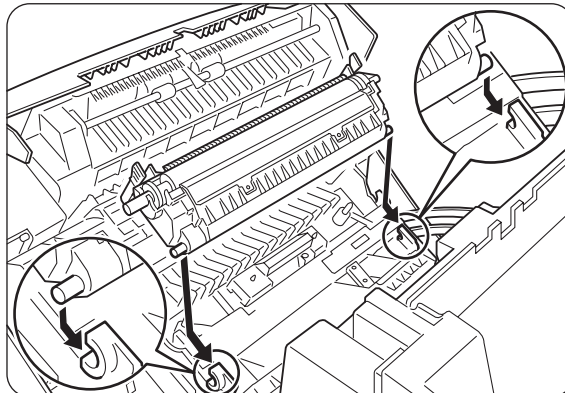
3. Grip the tabs at both ends of the transfer roller and gently lift it out of the printer.

NOTE: Lift the roller carefully to prevent waste toner from spilling out.

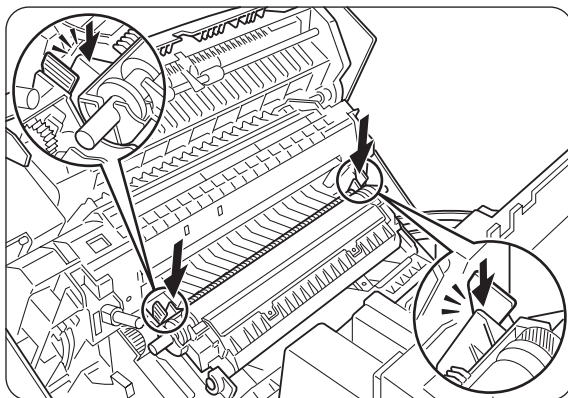


4. Gently wipe the density sensor window with a clean dry cloth or cotton swab.

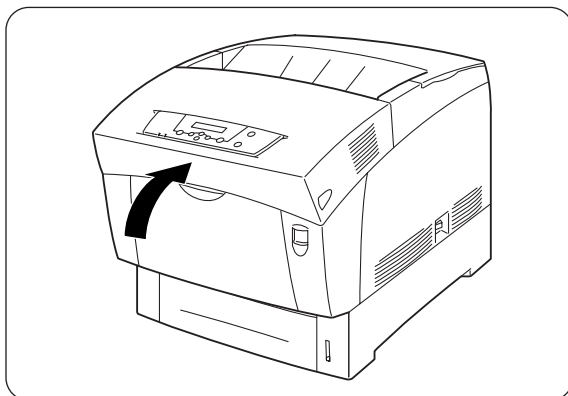
NOTE: Do not allow anything hard to come into contact with the density sensor window. Do not use excessive force to clean the window.



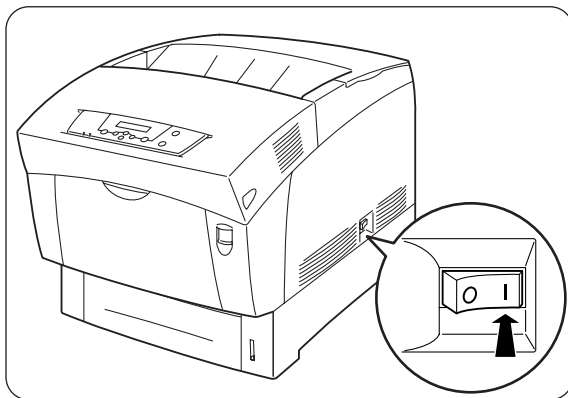
5. Insert the pins at both ends of the transfer roller cartridge into the U-shaped bearings inside the printer.



6. To lock the transfer roller cartridge into the printer, push down on the base of the tabs until you hear a click.



7. Close the front cover.



8. Push the [I] mark on the power switch to turn on the printer.

Solving Printer Power-on Problems

This section describes problems that can occur when starting up the printer. If the trouble persists after performing the checks listed below, turn the printer off [**O**], disconnect the power cord from the AC outlet, and see “[Appendix A General Information](#)” to arrange for a technical support or service or repair call.



CAUTION: To prevent the risk of fire or smoke generation, do not attempt to modify the printer in any way.



WARNING: Before cleaning the printer or performing any other maintenance, be sure to turn the printer off [**O**], and disconnect the power cord from the AC outlet to prevent the risk of electric shock.

DESCRIPTION	POSSIBLE CAUSE	REQUIRED ACTION
No power.	Power switch not turned on. Switch is not set to [I].	Check power switch. See “ Chapter 1 Unpacking and Installing the Printer ” for more information
	Power cord not properly plugged into AC outlet or AC connector on rear of printer	Set power switch to [O] (off) and plug in power cord firmly. See “ Chapter 1 Unpacking and Installing the Printer ” for more information.
	Voltage of AC power line not correct.	Verify that AC outlet is rated for the correct voltage and amperage of your printer. See “ Chapter 1 Unpacking and Installing the Printer ” for more information.
Power is frequently interrupted	Printer is defective	Turn printer off [O], disconnect power cord from the AC outlet. See “ Appendix A General Information ” to arrange for a technical support or service or repair call.

Control Panel LCD Messages

LCD MESSAGE (LINE 1)	LCD MESSAGE (LINE 2)	CAUSE OF ERROR MESSAGE	REQUIRED ACTION
TONER Y MISSING	INSTALL/RESET	Yellow toner cartridge is missing.	Install Yellow toner cartridge.
TONER M MISSING	INSTALL/RESET	Magenta toner cartridge is missing.	Install Magenta toner cartridge.
TONER C MISSING	INSTALL/RESET	Cyan toner cartridge is missing.	Install Cyan toner cartridge.
TONER K MISSING	INSTALL/RESET	Black toner cartridge is missing.	Install Black toner cartridge.
PHD MISSING	INSTALL/RESET	Drum cartridge (PHD) is missing.	Install drum cartridge (PHD).
BTR MISSING	INSTALL/RESET	Bias Transfer Roller (BTR) cartridge is missing.	Install Bias Transfer Roller (BTR) cartridge.
FUSER MISSING	INSTALL/RESET	Fuser Unit is missing.	Install Fuser Unit.
BAD PHD TYPE	REPLACE PHD	Bad drum cartridge.	Replace Drum cartridge.
MEDIA MISMATCH	CLEAR PAPER	Incorrect paper in tray.	Check paper type in tray.
FEED JAM	CHECK TRAY	Paper jam in tray.	Clear paper jam in tray.
REGISTRATION JAM	OPEN COVER A	Paper jam in color registration area.	Open Cover A and remove paper.
FUSER JAM	OPEN COVER A	Paper jam around the fuser unit.	Open Cover A and remove paper.
DUPLEX JAM	OPEN COVER B	Paper jam in duplex area.	Open Cover B and remove paper.
ROS FAILURE	CALL SERVICE	ROS failure.	Service Call required
FUSER FAILURE	CALL SERVICE	Fuser failed.	Service Call required
MCU/NVRAM ERROR	CALL SERVICE	MCU or NVRAM failure.	Service Call required
CTD SENSOR ERROR	CALL SERVICE	CTD (cartridge) sensor failure.	Service Call required
FAN MOTOR FAIL	CALL SERVICE	Fan motor failure.	Service Call required
MCU SW ERROR	CALL SERVICE	MCU Software failure.	Service Call required
ENV SENSOR ERROR	CALL SERVICE	Envelope sensor failure.	Service Call required

CTD SENSOR DUSTY	CLEAN CTD SENSOR	CTD sensor dustiness is detected.	Clean CTD sensor
FRONT COVER OPEN	CLOSE COVER	Front cover is open.	Close front cover.
LOAD PAPER TRAY1 LOAD PAPER TRAY2 LOAD PAPER TRAY3 LOAD PAPER TRAY4		There is an empty paper tray.	Put paper in empty paper tray according to requested size and media type.
TRAY 2 MISSING TRAY 3 MISSING TRAY 4 MISSING	INSERT TRAY	There is a paper tray missing.	Insert missing paper tray.
OUTPUT TRAY FULL	REMOVE PAPER	The output tray is full.	Remove the paper from the output tray.
TONER Y EMPTY	REPLACE TONER	Yellow toner cartridge is empty.	Replace Yellow toner cartridge.
TONER M EMPTY	REPLACE TONER	Magenta toner cartridge is empty.	Replace Magenta toner cartridge.
TONER C EMPTY	REPLACE TONER	Cyan toner cartridge is empty.	Replace Cyan toner cartridge.
TONER K EMPTY	REPLACE TONER	Black toner cartridge is empty.	Replace Black toner cartridge.
PHD LIFE OVER	REPLACE PHD	Drum cartridge (PHD) needs to be replaced.	Install new drum cartridge (PHD).
BTR LIFE OVER	REPLACE BTR	Bias Transfer Roller (BTR) cartridge needs to be replaced.	Install new Bias Transfer Roller (BTR) cartridge.
FUSER LIFE OVER	REPLACE FUSER	Fuser Unit needs to be replaced.	Install new Fuser Unit.
SERVICE ERROR XX		An unexpected error has occurred	Restart printer. If error persists, See “Appendix A General Information” to arrange for a technical support or service or repair call.

Ethernet Network Interface Troubleshooting

This section offers various troubleshooting procedures and technical support advice for the Ethernet network interface.

Power-Up Troubleshooting

There are several possible error situations if the unit does not display the welcome message or the LEDs do not flash:

Error Messages	
Message	Diagnosis/Remedy
Power-up diagnostic failure (hardware failure)	Note which LED is blinking and its color, then contact your dealer or Technical Support.

Printing Problems

Area to Check	Diagnosis/Remedy
Physical connection	Turn printer off, make sure Ethernet cable is properly connected and turn printer back on.
The IP address	The IP address must be unique on the network. Many problems will occur when there are duplicate IP addresses on the network.

DHCP Troubleshooting

Area to Check	Diagnosis/Remedy
DHCP is enabled on the network interface.	Use the Define Server DHCP Enabled command. If you manually enter an IP address, DHCP is automatically disabled.
Make sure the DHCP server is operational.	Check to see that the DHCP server is on and is functioning correctly.
Did the network interface get its IP address from the DHCP server?	Refer to the DHCP Manager on your Windows DHCP server for information about addresses currently in use. If the DHCP server does not list your network interface's IP address, there may be a problem.

Bitmap Graphics

If files that contain embedded bitmap graphics print incorrectly, it is because the bitmaps are being sent as actual binary data and binary data cannot be printed via serial or parallel interfaces.

Most major application packages have provisions to print using either "Binary PostScript" (for printers connected to the network via AppleTalk) or "ASCII PostScript" (for printers connected to the network via a serial port or parallel port). If your application does not have this provision, ask the application vendor for an upgrade version or "patch" that will add the "ASCII PostScript" function.

Technical Support

If you are experiencing an error that is not listed in this chapter, or if you are unable to fix the error, contact your point of purchase or Technical Support as listed in Appendix A. If possible, you should print a Configuration page from the printer to have available when calling.

When you report a problem, please provide the following information:

- Your name, and your company name, address, and phone number
- Printer model number
- Printer serial number
- Software version
- Network configuration
- Description of the problem
- Status of the unit when the problem occurred (please try to include information on user and network activity at the time of the problem).



Chapter 4

Paper Jams

In this Chapter . . .

- “About this Chapter” on page 4-2
- “Clearing Paper Jams” on page 4-2

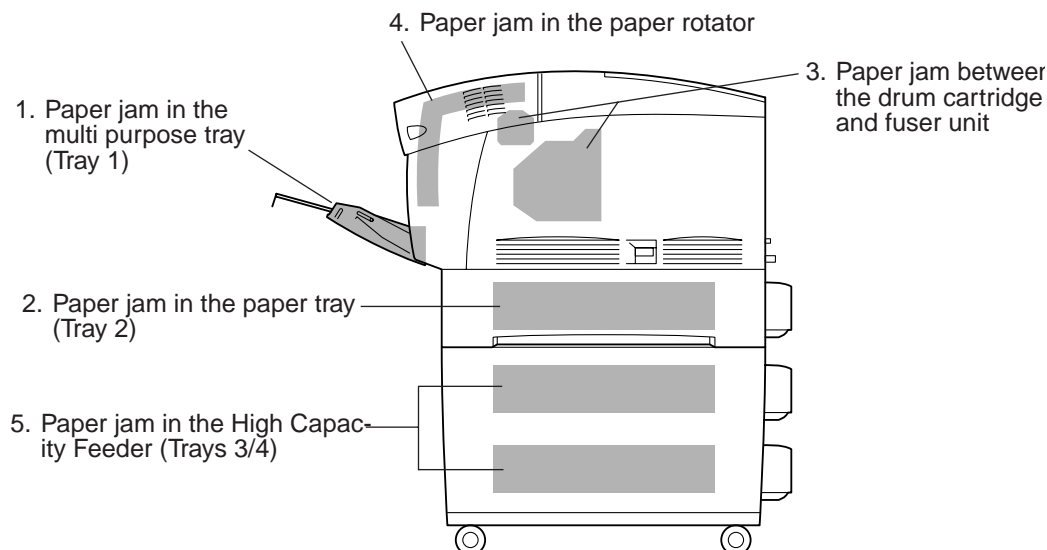
About this Chapter

This chapter explains procedures for dealing with paper jams.

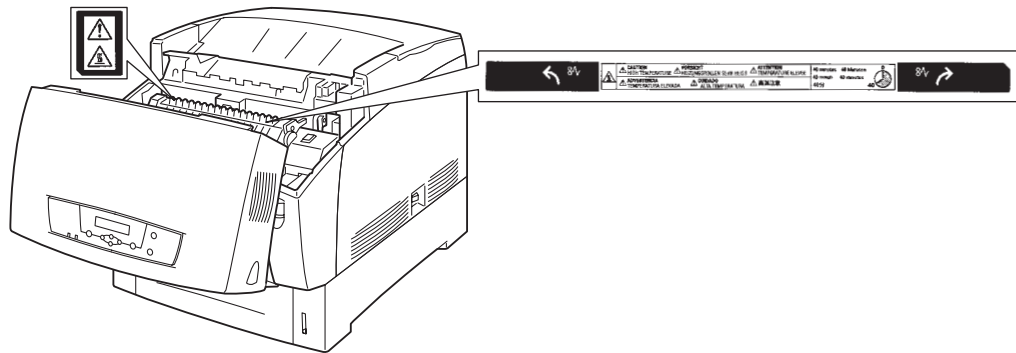
Clearing Paper Jams

If a paper jam occurs, refer to the illustration below to select the appropriate corrective action and clear the paper jam immediately.

NOTE: The illustration below shows the printer with the optional High Capacity Feeder (2 shelves) installed.



CAUTION: Make sure to remove all the paper scraps from the printer when clearing paper jams. Paper scraps remaining inside the machine can result in fire. To avoid injury or burns, do not use excessive force to remove jammed paper that is difficult to remove or wound tightly around the fuser or roller. If paper is difficult to remove, turn off the power and contact your GCC dealer or GCC Technical Support at 781-276-8620 for assistance. To prevent burns, never touch the area marked “CAUTION! HOT!” (fuser area).



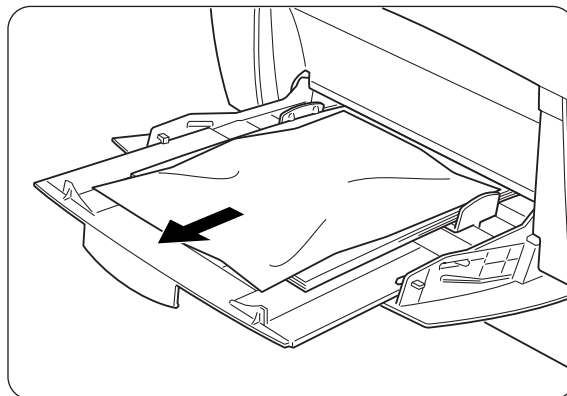
CAUTION: If smoke comes out of the printer when a paper jam occurs, do not open the printer covers. Turn off the power, remove the power cord from the AC outlet, and contact your GCC dealer or GCC Technical Support at 781-276-8620 for assistance.

NOTE: Remove jammed paper slowly and carefully to avoid tearing it.

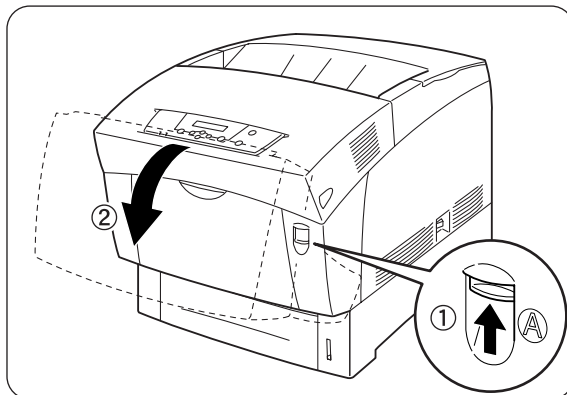
NOTE: Paper jams can be caused by incorrect printer installation or by using unsuitable or low-quality paper. For information about paper, refer to “[Paper Handling](#)” on page 2-6.

Paper Jams in the Multi Purpose Tray

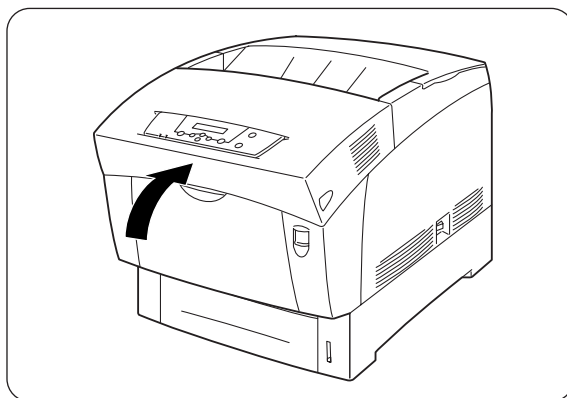
Follow the procedure below to remove paper jammed in the multi purpose tray.



1. Pull the jammed paper out of the multi purpose tray.



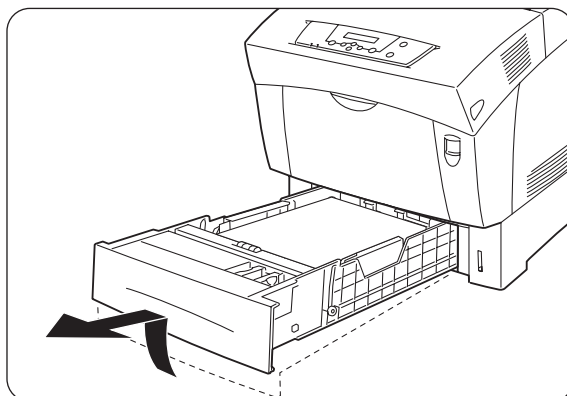
2. Push up button 'A' ① and fully open the front cover ②. Confirm that there are no scraps of paper remaining inside the printer.



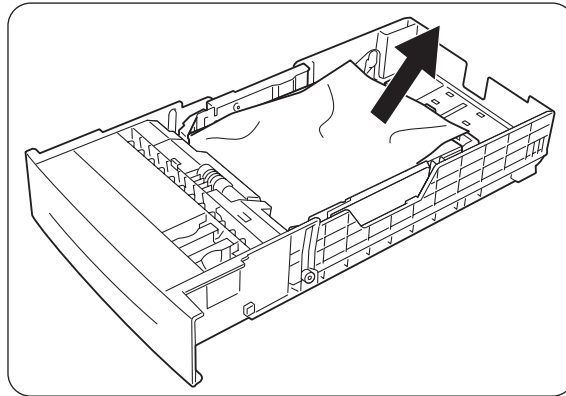
3. Close the front cover.

Paper Jams in the Paper Tray

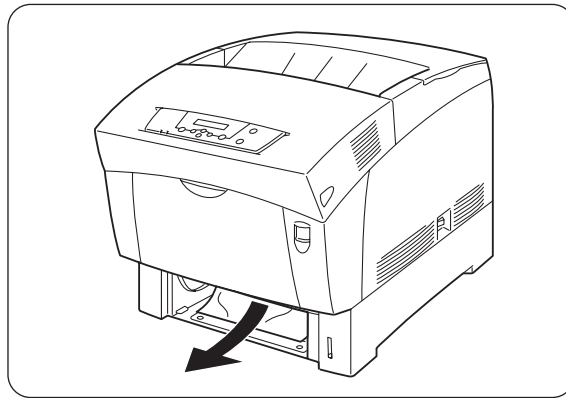
Follow the procedure below to remove paper jammed in the paper tray.



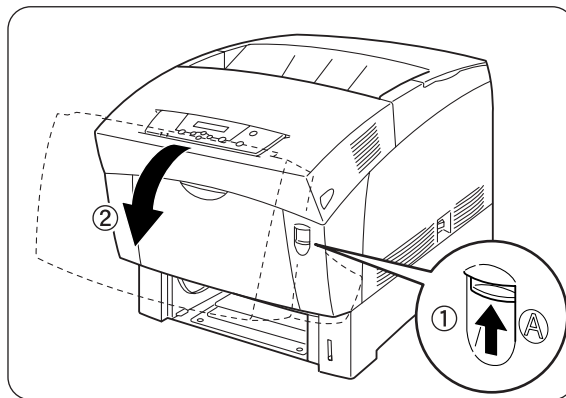
1. Slowly, completely remove the paper tray from the printer.



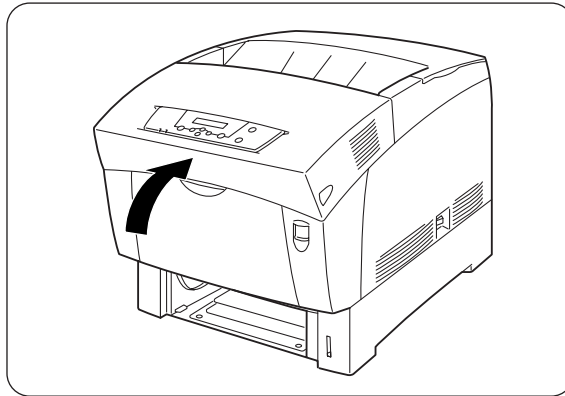
2. Remove all the jammed and/or creased paper from the tray.



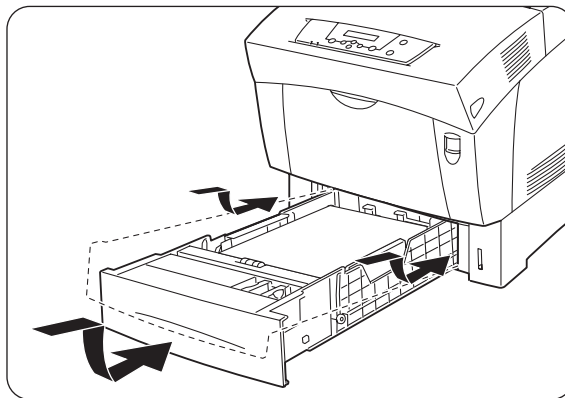
3. If there is jammed paper remaining inside the printer, pull it out carefully to avoid tearing it.



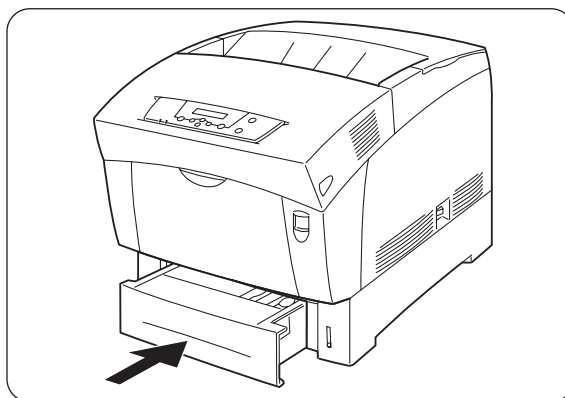
4. Push up button 'A' ① and fully open the front cover ②. Confirm that there are no scraps of paper remaining inside the printer.



5. Close the front cover.



6. Hold the paper tray with both hands, align it with the opening in the printer and gently insert it.



7. Push the paper tray completely back into the printer.

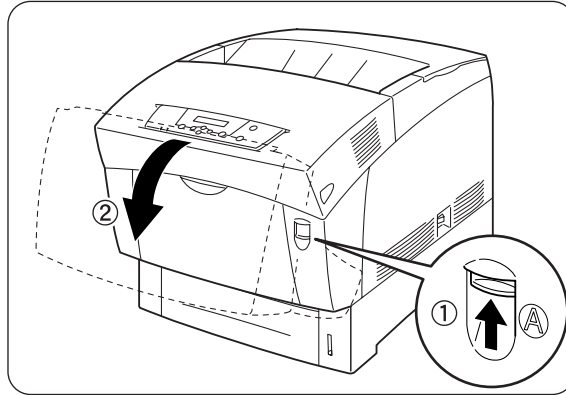
NOTE: Do not use excessive force on the paper tray.

Paper Jams Between the Drum Cartridge and Fuser Unit

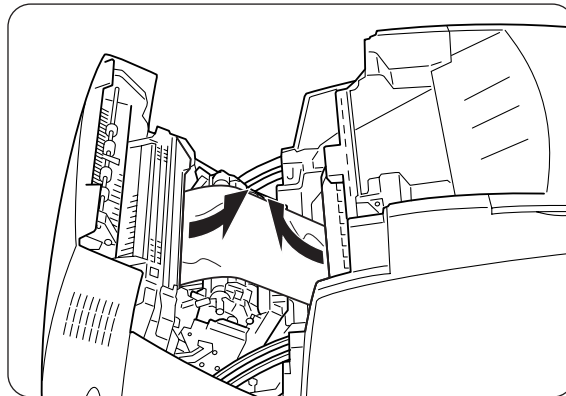
This section describes the procedures to remove paper jammed around the drum cartridge and in the fuser. Select the appropriate procedure according to the location of the jammed paper.

Paper jams around the drum cartridge:

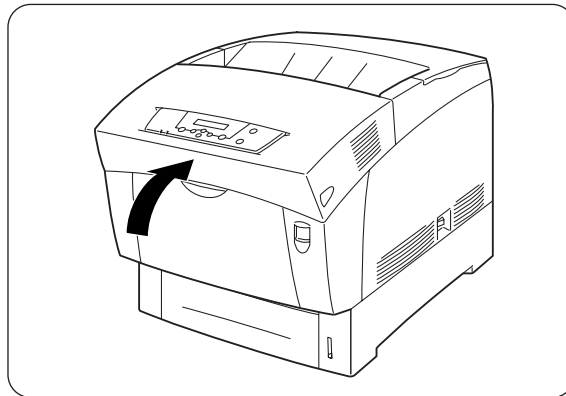
Follow the procedure below to remove paper jammed around the drum cartridge.



1. Push up button 'A' ① and fully open the front cover ②.



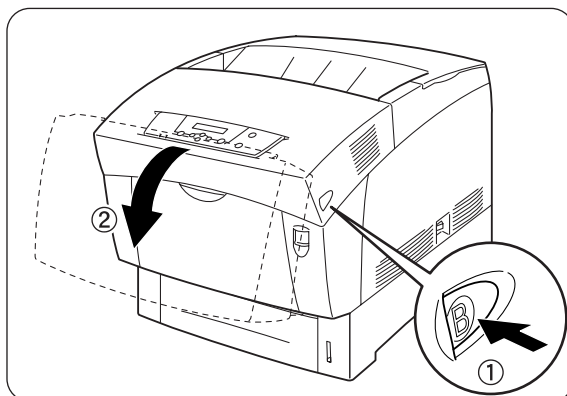
2. Remove the jammed paper.
If the paper is torn, remove any scraps of paper remaining inside the printer.



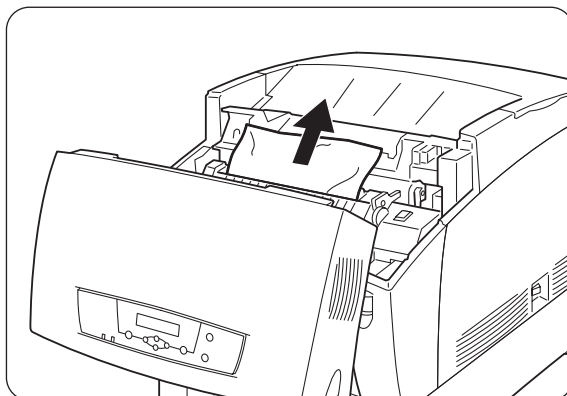
3. Close the front cover.

Paper jams in the fuser unit:

Follow the procedure below to remove paper jammed in the fuser unit.



1. Press button 'B' ① and open the upper part of the front cover ②.

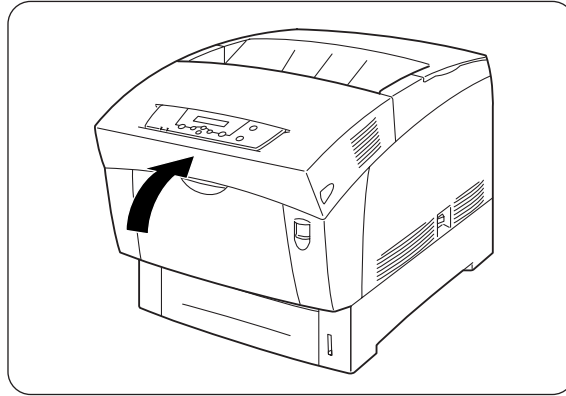


2. Lift the levers at both ends of the fuser unit, and remove the jammed paper. If the paper is torn, remove any scraps of paper remaining inside the printer.

NOTE: During operation, the fuser unit (heater) becomes very hot. To prevent burns, do not touch it with your bare hands.
Completely push down the levers at both ends of the fuser after removing the jammed paper.

3. If you cannot see the jammed paper, it may be jammed around the drum cartridge. Refer to “Paper jams around the drum cartridge” on page 4-7 to remove the jammed paper.

NOTE: If only a small portion of the jammed paper is visible, making it difficult to remove, refer to “Paper jams around the drum cartridge” on the previous page to remove the jammed paper.



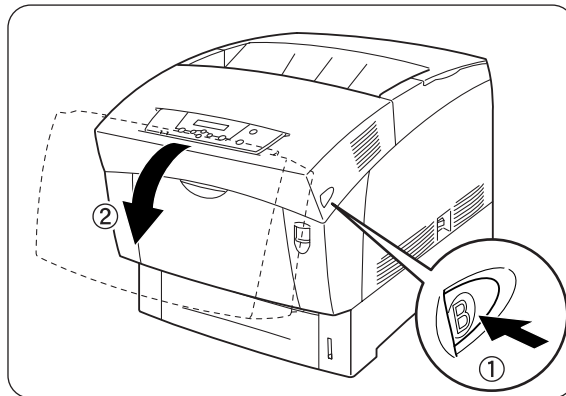
4. Close the Front Cover.

Paper jams with long paper:

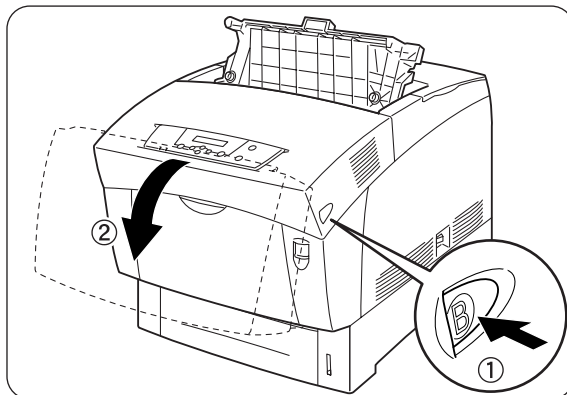
If paper longer than 14 inches (355.6 mm) becomes jammed in the printer, cut the paper as necessary and remove the paper from the location where it is jammed using the appropriate procedure. If the front cover is difficult to open, do not force it. Turn off the printer immediately and contact your GCC dealer or GCC Technical Support for assistance.

Paper Jams in the Paper Rotator

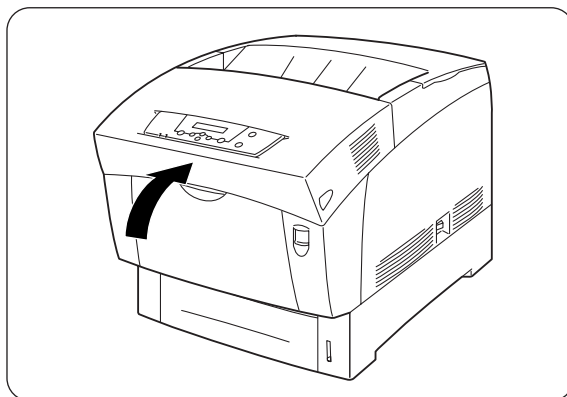
Follow the procedure below to remove paper jammed in the paper rotator.



1. Press button 'B' ① and open the upper part of the front cover ②.



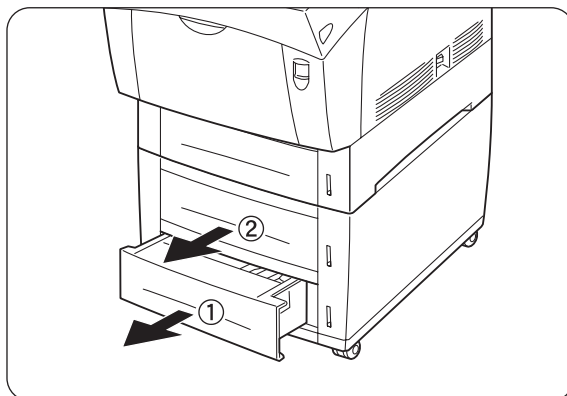
2. Remove the jammed paper.
If the paper is torn, remove any scraps of paper remaining inside the printer.



3. Close the front cover.

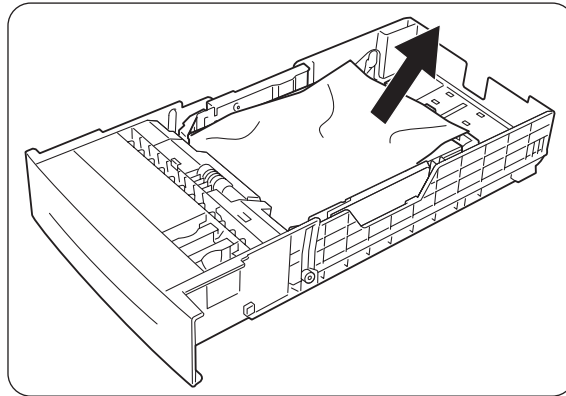
Paper Jams in the High Capacity Feeder

Follow the procedure below to remove paper jammed in the High Capacity Feeder.

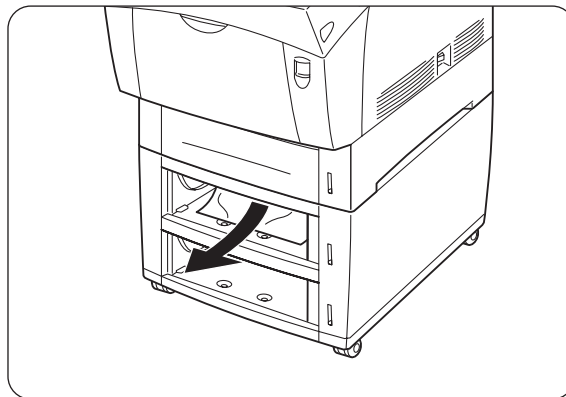


1. Open the trays until you find the jammed paper.

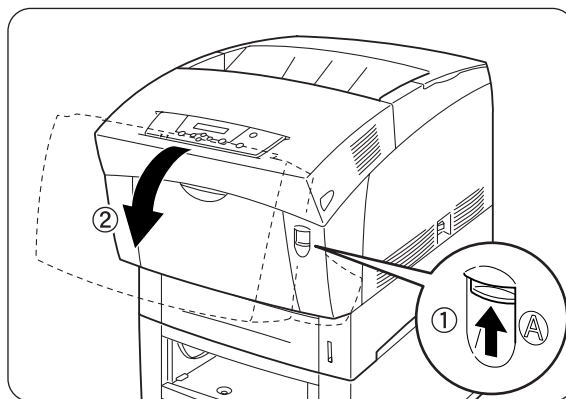
NOTE: Paper in the High Capacity Feeder feeds to the printer from the front of the trays, therefore paper jammed in the lower tray can block the upper tray of the module or the paper tray in the printer, preventing you from opening them. Look for the jammed paper sequentially, starting with the lowest tray.



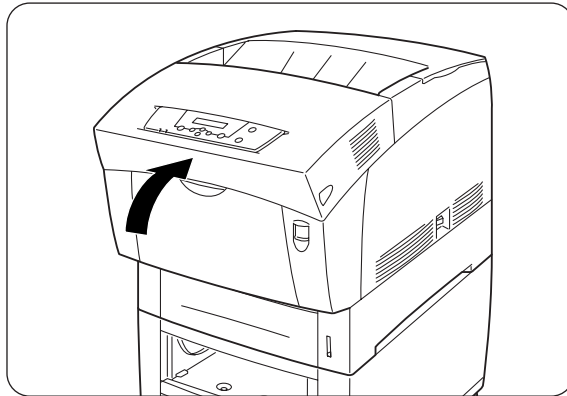
2. Remove all jammed and/or creased paper from the tray.



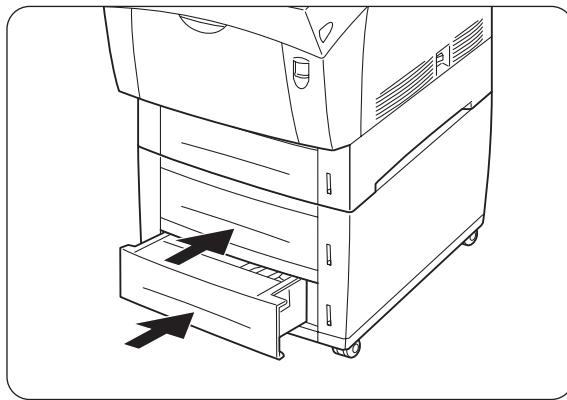
3. Pull the jammed paper out carefully to avoid tearing it.
If the paper is torn, confirm that there are no scraps of paper remaining inside the printer.



4. Push up button 'A' ① and fully open the front cover ②. Confirm that there are no scraps of paper remaining inside the printer.



5. Close the front cover.



6. Close all open paper trays.

◆ ◆ ◆

Chapter 5

Consumables

In this Chapter . . .

- “About this Chapter“ on page 5-2
- “Consumables Overview“ on page 5-2
- “Toner Cartridges“ on page 5-4
- “Drum Cartridge“ on page 5-8
- “Transfer Roller Cartridge“ on page 5-13
- “Fuser Unit“ on page 5-16
- “Paper Feed Roller“ on page 5-21

About this Chapter

This chapter provides information about the consumables used with the printer, and also describes handling and replacement procedures.

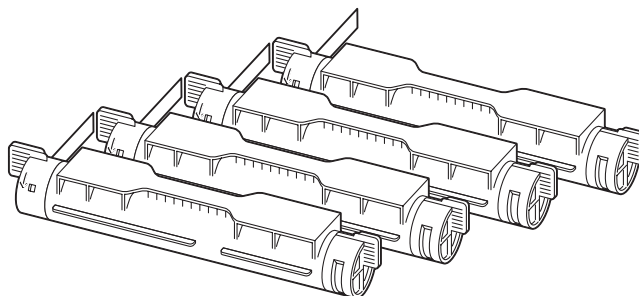
Consumables Overview

The following consumables are provided with the printer. For replacements, contact your GCC dealer or visit www.gccprinters.com.

Toner Cartridges

The printer uses four toner cartridges: black, yellow, magenta, and cyan. When the toner supply in a cartridge begins to run out, an error message appears. At this stage, confirm that you have a replacement toner cartridge available. Replace toner cartridges as soon as the message prompting you to do so appears. The printer stops operating if you do not replace the toner cartridge when required.

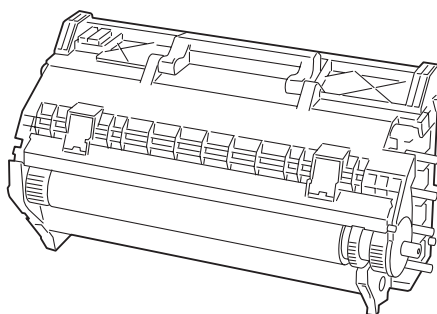
NOTE: For more information about toner cartridges, refer to “Toner Cartridges” on page 5-4.



Drum Cartridge

The drum cartridge is composed of a light-sensitive drum, a developer and a transfer roller. Images are initially created as an electrical charge on the surface of this drum. When the drum cartridge reaches the end of its life span, print quality begins to deteriorate. Replace the drum cartridge at this stage.

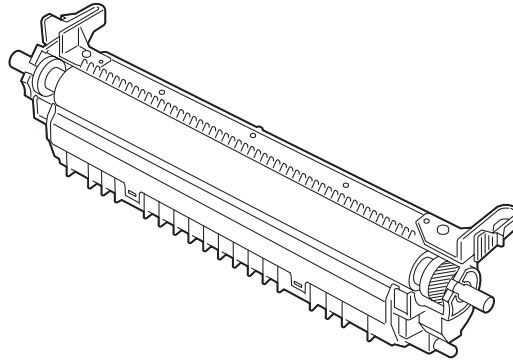
NOTE: For more information about the drum cartridge, refer to “Drum Cartridge” on page 5-8.



Transfer Roller Cartridge

The transfer roller cartridge is composed of a transfer roller and a waste toner collection box. Usually, the transfer roller cartridge needs to be replaced after printing about 20,000 sheets. However, this figure varies depending on the content of the material printed, as well as the size and type of paper used. Replace the transfer roller cartridge as soon as the message prompting you to do so appears. The printer stops operating if you do not replace the transfer roller cartridge when required.

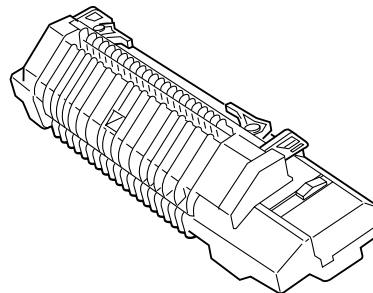
NOTE: For more information about the transfer roller cartridge, refer to “Transfer Roller Cartridge” on page 5-13.



Fuser Unit

The fuser unit fixes the toner to the paper. Usually, the fuser unit needs to be replaced after printing about 100,000 sheets. However, this figure varies depending on the content, the material printed, as well as the size and type of paper used.

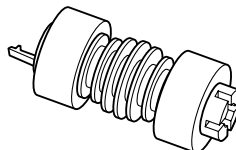
NOTE: For more information about the fuser unit, refer to “Fuser Unit” on page 5-16.



Paper Feed Roller

The paper feed roller feeds paper from the paper tray into the printer. Usually, the paper feed roller needs to be replaced after printing about 100,000 sheets. However, this figure varies depending on the size and type of paper used. When the paper feed roller deteriorates, paper may not feed correctly from the paper tray, resulting in paper jams.

NOTE: For more information about the paper feed roller, refer to “Paper Feed Roller” on page 5-21.



Toner Cartridges

This section describes how to handle, store and replace toner cartridges.

Toner Cartridge Handling Precautions

The printer uses four toner cartridges: black, yellow, magenta, and cyan. The black toner cartridge is capable of printing about 8,000 sheets. The yellow, magenta, and cyan cartridges are capable of printing about 6,000 Letter/A4 sheets (at the default print density, with 5% coverage per color).



WARNING: Never throw used toner cartridges into a fire. The residual toner could explode resulting in burns and injuries.



CAUTION: To prevent electric shock, always turn off the printer and disconnect the power cord from the AC outlet before cleaning the printer or performing maintenance.

Handling Precautions

- Never use a vacuum cleaner to clean toner. Static electricity could build up and damage sensors.
- Do not reuse toner cartridges once you have removed them from the printer. Loose toner could spill inside the printer and deteriorate print quality.
- To prevent residual toner from spilling, avoid shaking or bumping used toner cartridges.
- After moving a toner cartridge from a cold place to a warm place, allow 1 hour for the cartridge to adapt to room temperature before installing it. (This is not necessary if there is no condensation.)
- Toner is harmless, but should still be washed off immediately if it comes into contact with

hands or clothing.

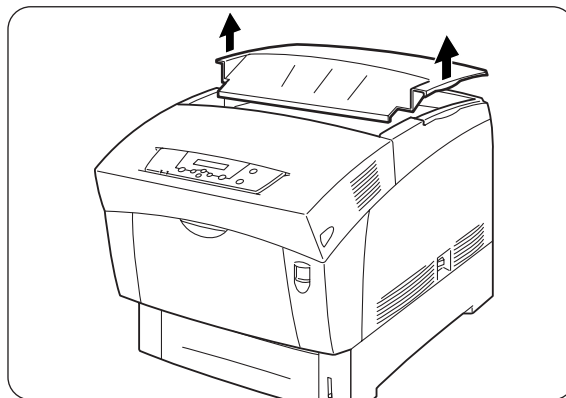
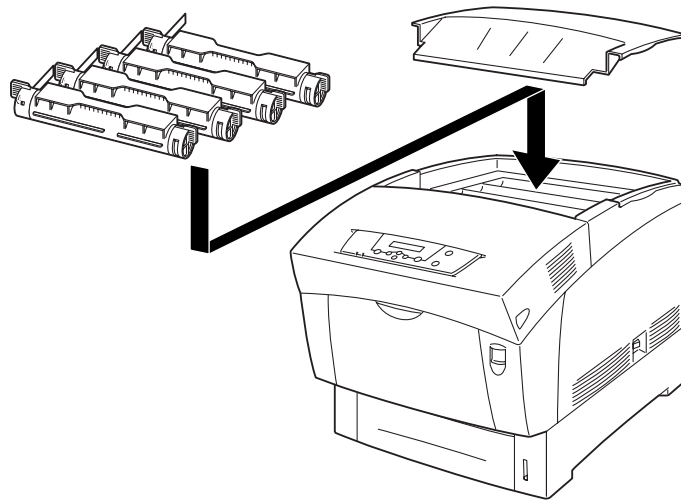
- Only use toner cartridges recommended by GCC. Using toner cartridges that are not recommended may result in lower print quality and unsatisfactory printer performance.
- Wrap used toner cartridges in plastic bags and dispose of them as non-burnable waste.

Storage Precautions

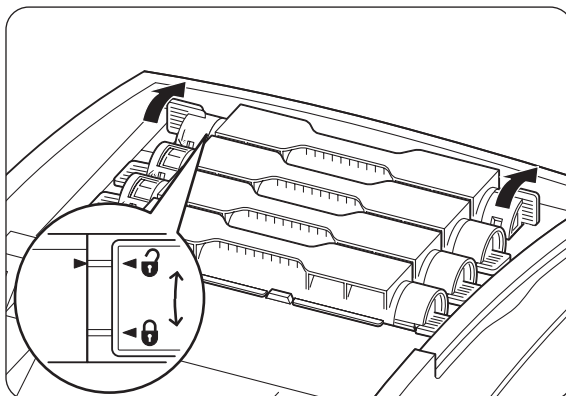
- Store toner cartridges away from direct sunlight under the following conditions:
- Ambient temperature range, 32 to 95°F (0 to 35°C). Humidity range 15 to 80% RH (no condensation).
- Avoid hot and humid areas.
- Avoid storing near magnetic objects such as CRT screens, disk drives, or floppy disks.
- Keep out of reach of children.

Replacing Toner Cartridges

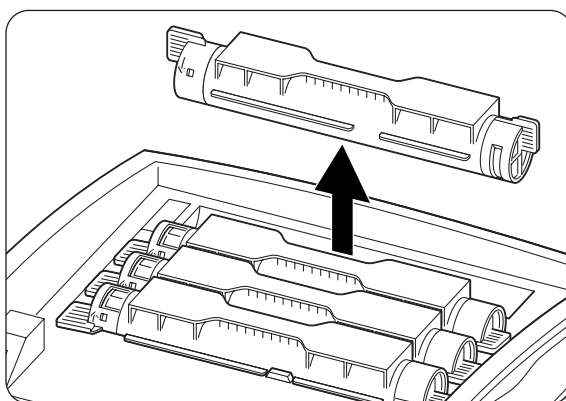
Follow the procedure below to replace toner cartridges.



1. Remove the top cover.

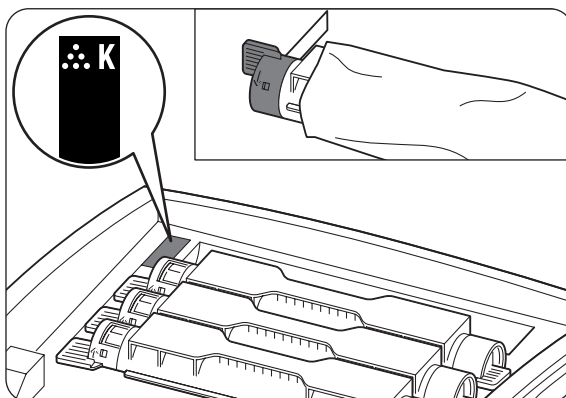


2. Grip the levers at the ends of the toner cartridge that you want to replace and rotate them up.

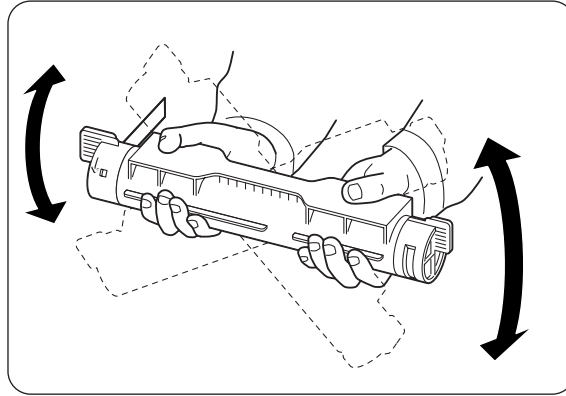


3. Pull out the toner cartridge.

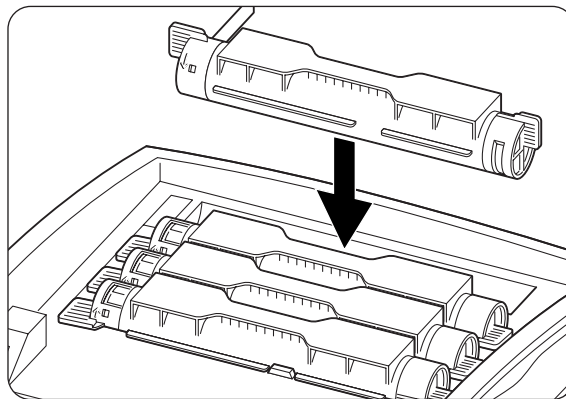
NOTE: Put the toner cartridge on a piece of paper to prevent toner from staining the floor or furniture.



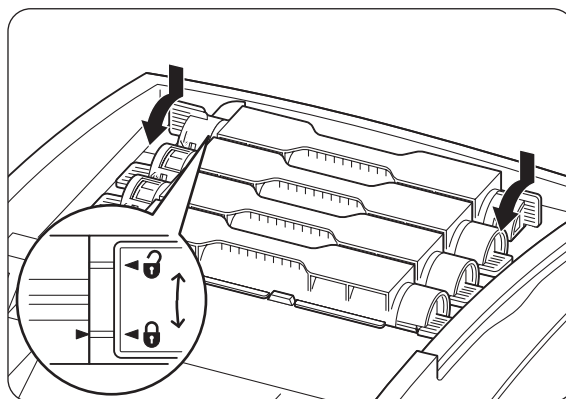
4. Select the new toner cartridge whose color matches the label on the insertion point and remove it from its packaging.



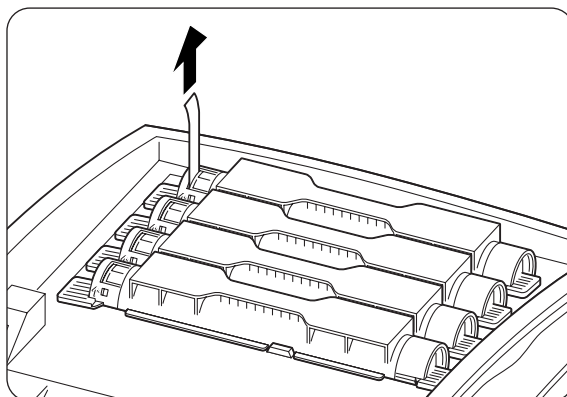
5. Shake the toner cartridge 7 or 8 times as illustrated to distribute the toner evenly.



6. Align the toner cartridge with the corresponding insertion point in the printer and insert it as illustrated.

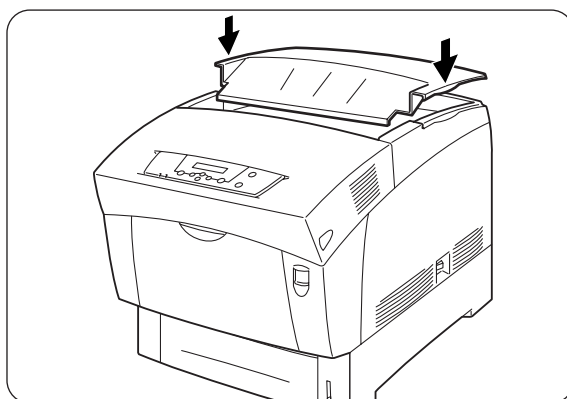


7. Grip the levers at each end of the toner cartridge with your fingers and then push down lightly to rotate the levers forward.



8. Pull the toner seal straight up to remove it.

NOTE: Pull the toner seal straight up. Pulling the toner seal diagonally may tear the seal.



9. Replace the top cover.

Drum Cartridge

This section describes procedures for handling, storing and replacing the drum cartridge.

Drum Cartridge Handling Precautions

The drum cartridge consists of a light-sensitive drum, a developer and a transfer roller. The drum cartridge is capable of printing about 30,000 Letter/A4 sheets (continuous short-edge feed, at the default print density with 5% color coverage) with a 1:1 color/monochrome ratio.



CAUTION: To prevent electric shock, always turn off the printer and disconnect the power cord from the AC outlet before cleaning the printer or performing maintenance.

Handling Precautions

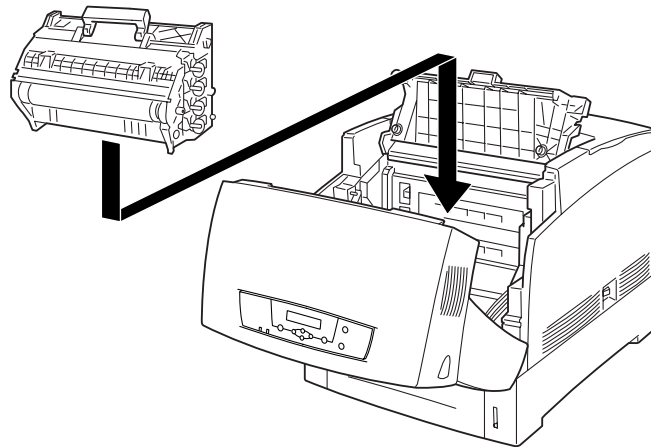
- Make sure nothing touches or scratches the light-sensitive drum surface (blue colored part) or transfer roller (black colored part). Scratches, dirt, or oil from your hands on the drum or transfer roller deteriorates print quality.
- Do not expose the drum cartridge to direct sunlight and avoid exposing the drum cartridge to fluorescent indoor light, as this may result in dropouts or dirty printing.
- When replacing the drum cartridge, work on a desk or other flat surface to avoid scratching the light-sensitive drum and transfer roller.
- Avoid removing the drum cartridge from the printer before it is time to replace it. Removing and replacing the drum cartridge can cause dirt to stick to the cartridge and deteriorate print quality.
- Avoid tilting or shaking the drum cartridge when removing it, as toner may spill inside the printer and cause damage.
- To ensure good print quality, keep the drum cartridge level when handling it.
- The drum cartridge weighs 10 lb. (4.5 kg). Handle it carefully.
- Wrap used drum cartridges in a plastic bag and dispose of them as non-burnable waste.

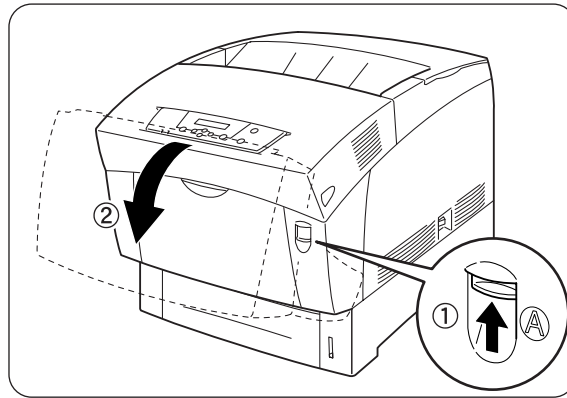
Storage Precautions

- Do not unpack the new drum cartridge until you are ready to install it. If the drum cartridge is unpacked put it in its aluminum package for storage.
- Store drum cartridges away from direct sunlight under the following conditions:
- Ambient temperature range, 32 to 95°F (0 to 35°C); humidity range, 15 to 80 % RH (no condensation)
- Avoid storing in hot humid areas.
- Avoid storing near magnetic objects such as CRT screens, disk drives, or floppy disks.
- Keep out of reach of children.
- Store in a level position.

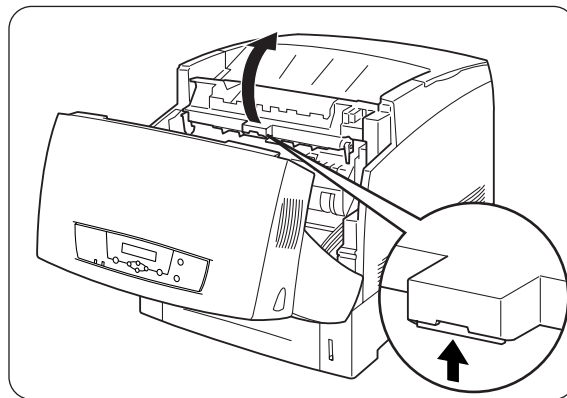
Replacing the Drum Cartridge

Follow the procedure below to replace the drum cartridge.

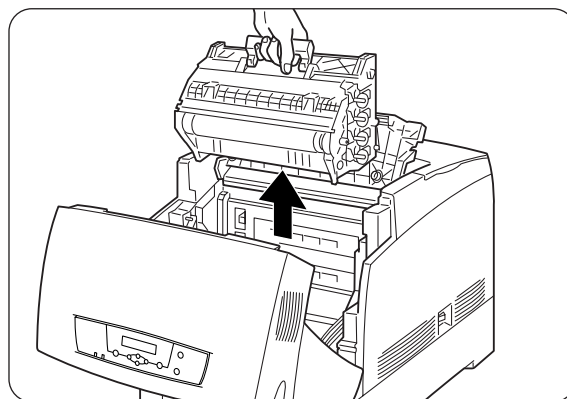




1. Push up button 'A' ① and fully open the front cover ②.

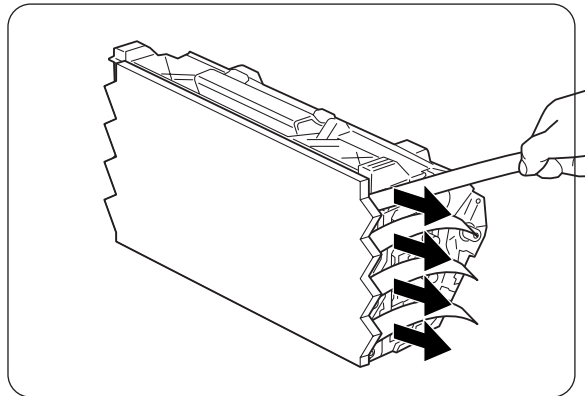


2. Open the paper outlet cover.



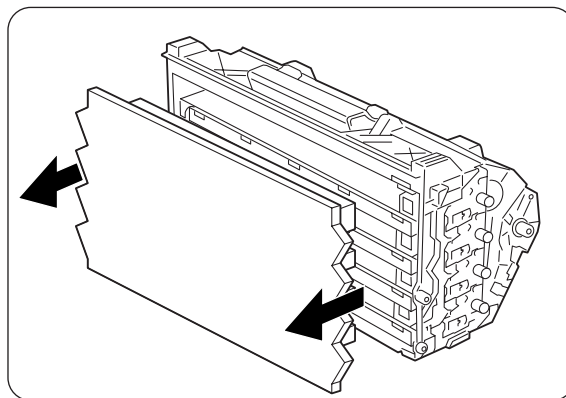
3. Grip the handle on top of the drum cartridge and gently lift it out of the printer.

NOTE: Hold the drum cartridge by the handle on top of the cartridge to prevent the cartridge from falling.

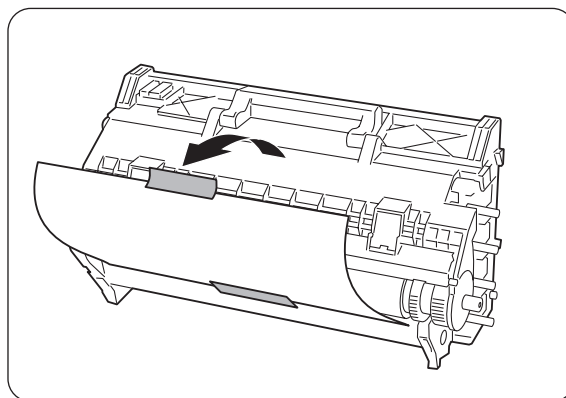


4. Take a new drum cartridge out of its package and pull hard on each the 4 seals to remove them. Pull the seals completely out.

NOTE: Keep the aluminum package of the drum cartridge in case you need to transport the printer over long distances in the future.

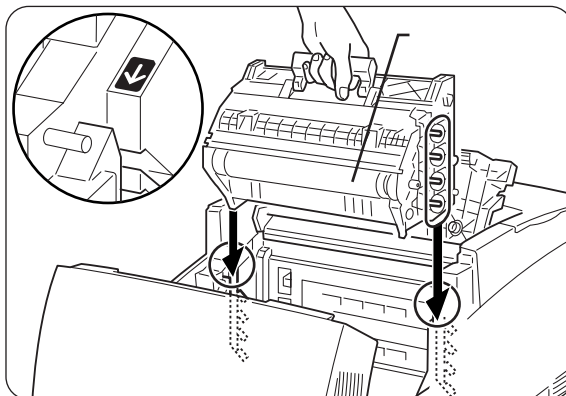


5. Hold the left and right sides of the drum cartridge and remove the protective cover from it.



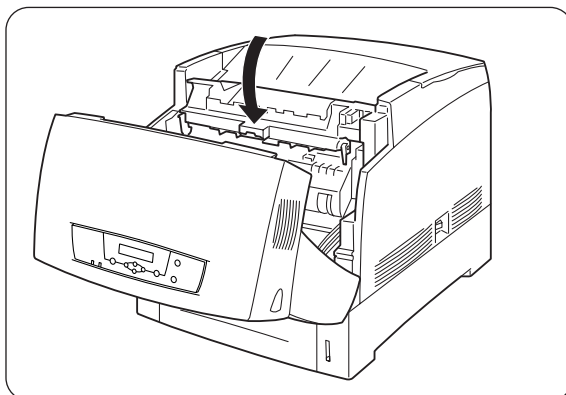
6. Remove the protective sheet from the drum cartridge as illustrated.

NOTE: Do not touch the transfer roller (black colored part). Make sure that nothing touches or scratches the roller surface. Scratches or oil from your hands on the roller deteriorates print quality. Make sure that you remove the protective sheet. Installing the drum cartridge with the protective sheet deteriorates print quality. Remove the protective sheet with the drum cartridge in a horizontal position.

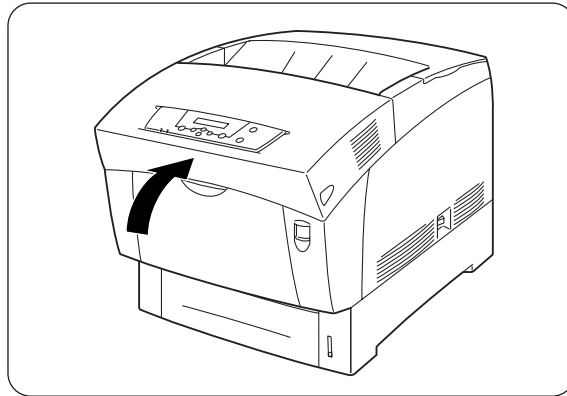


7. Hold the drum cartridge by the handle, align its 4 shafts with the slots indicated by the arrows on the printer, and gently lower it into the printer.

NOTE: Do not touch the transfer roller.
Lowering the cartridge into the printer without correctly aligning the shafts with the slots can damage the cartridge.
Do not allow the surface of the transfer roller to come into contact with anything.



8. Close the paper outlet cover.



9. Close the front cover.

Transfer Roller Cartridge

This section describes the procedure for replacing the transfer roller cartridge.

Transfer Roller Cartridge Handling Precautions

The transfer roller cartridge consists of a transfer roller and a waste toner collection box. The transfer roller cartridge is capable of printing about 20,000 A4 sheets (at default print density, with 5% color coverage).



WARNING: Never throw used transfer roller cartridges into a fire. The residual toner could explode, resulting in burns.



CAUTION: To prevent electric shock, always turn off the printer and disconnect the power cord from the AC outlet before cleaning the printer or performing maintenance.

NOTE: The actual number of printable pages varies depending on the content of printed material, paper size, and operating environment. A message prompting you to replace the transfer roller may appear before the average number of pages indicated above is actually printed.

Handling Precautions

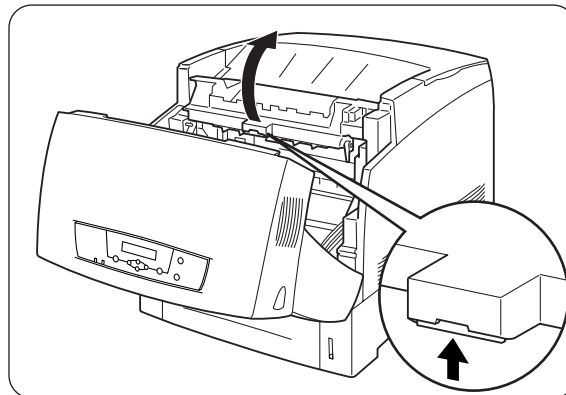
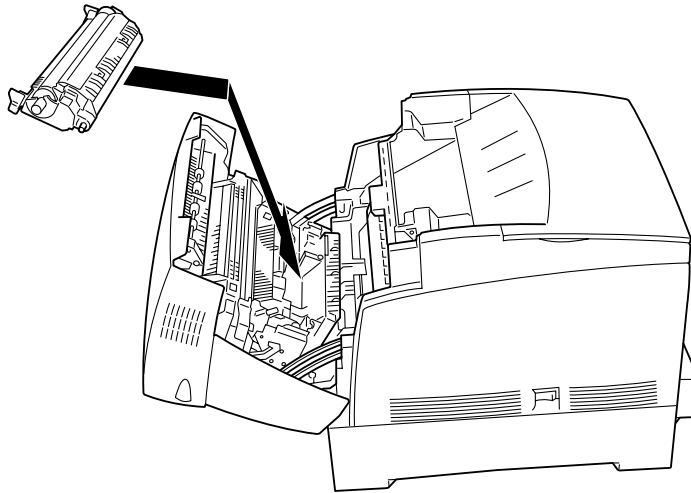
- Avoid removing the transfer roller cartridge before it is time to replace it.
- Replace the transfer roller as soon as the message prompting you to do so appears. The printer stops operating if you do not replace the transfer roller cartridge when required.
- Do not attempt to reuse toner from the waste toner collection box.
- When you remove the transfer roller cartridge from the printer because the waste toner collection box is full, do not attempt to empty the waste toner box and reuse the cartridge,

as toner may spill inside the printer and cause damage.

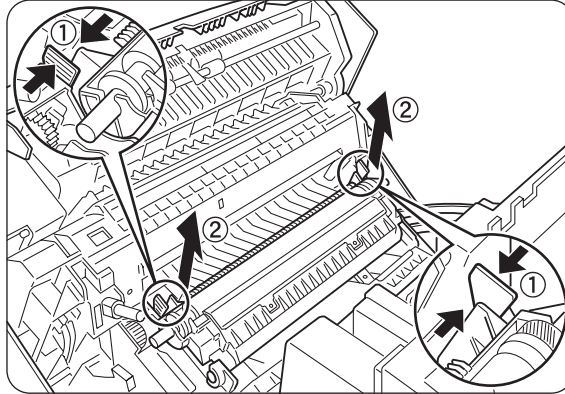
- Do not remove the transfer roller from the printer before it is time to replace it, as toner may spill inside the printer and cause damage.

Replacing the Transfer Roller Cartridge

Follow the procedure below to replace the transfer roller cartridge.

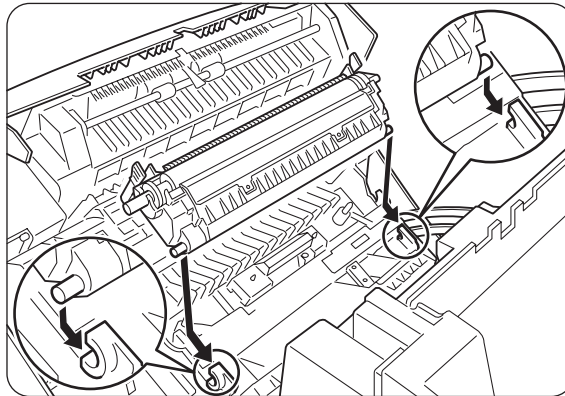


1. Push up button 'A' ① and fully open the front cover ②.

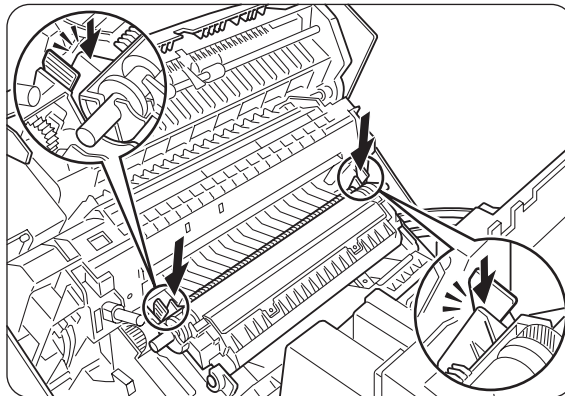


2. Grip the tabs at both ends of the transfer roller cartridge and gently lift the cartridge out of the printer.

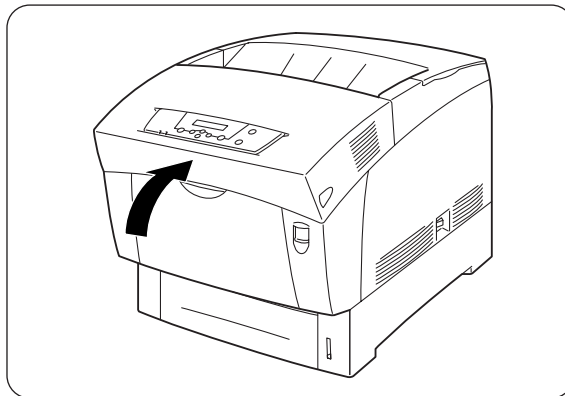
NOTE: Lift the roller carefully to prevent waste toner from spilling out.



3. Unpack a new transfer roller cartridge and insert the stubs on both ends of the transfer roller cartridge into the U-shaped guides inside the printer.



4. To lock the transfer roller cartridge into the printer, push down on the base of the tabs until you hear a click.



5. Close the front cover.

Fuser Unit

This section describes the procedure for replacing the fuser unit.

NOTE: To avoid burns, do not replace the fuser unit immediately after printing, as the fuser gets very hot during this process.



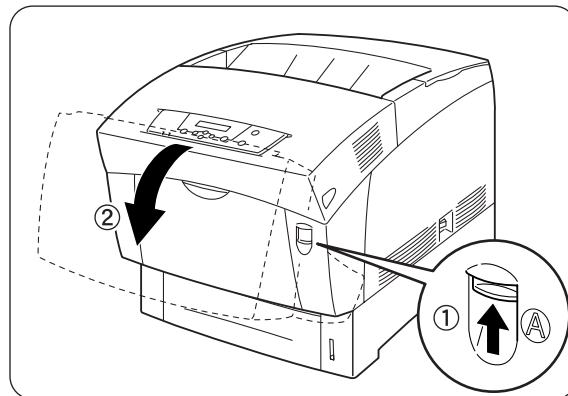
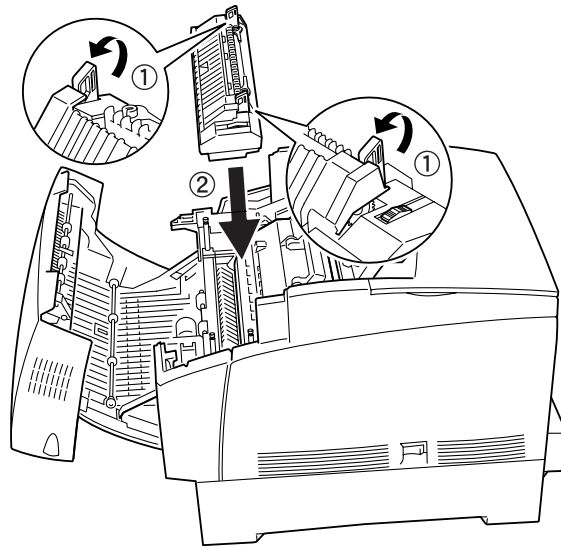
CAUTION: To prevent burns, never touch the area marked “CAUTION! HOT!” (fuser area). To avoid injury or burns, do not use excessive force to remove jammed paper that is difficult to remove or wound tightly around the fuser or rollers. If paper proves difficult to remove, turn off the printer and contact your GCC dealer or GCC Technical Support at 781-276-8620 for assistance.

To prevent electric shock, always turn off the printer and disconnect the power cord from the AC outlet before cleaning the printer or performing maintenance.

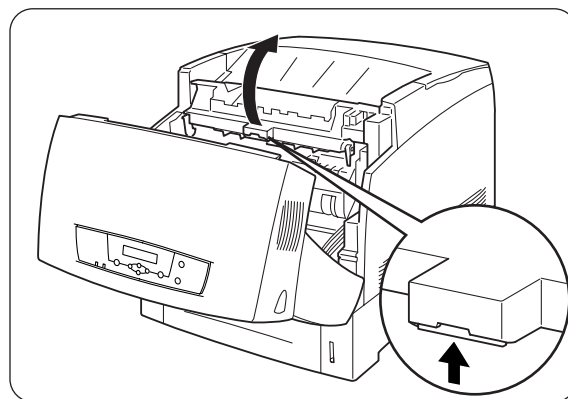
Replacing the Fuser Unit

Follow the procedure below to replace the fuser unit.

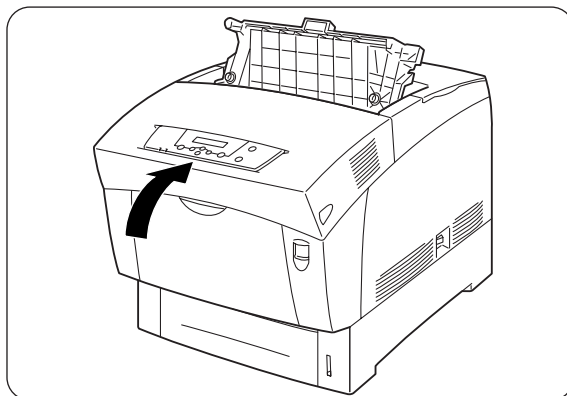
NOTE: To allow the fuser unit to cool down, turn the printer off for at least 30 minutes before replacing the fuser unit.



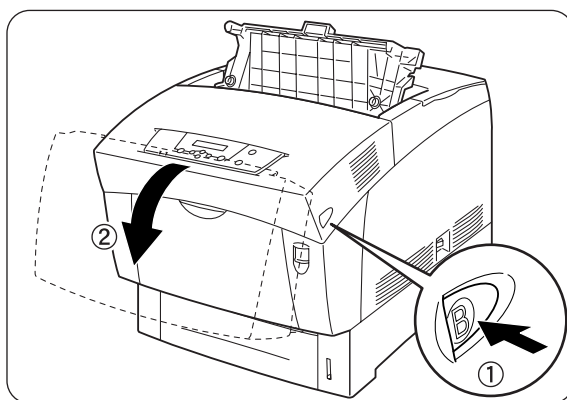
1. Push up button 'A' ① and fully open the front cover ②.



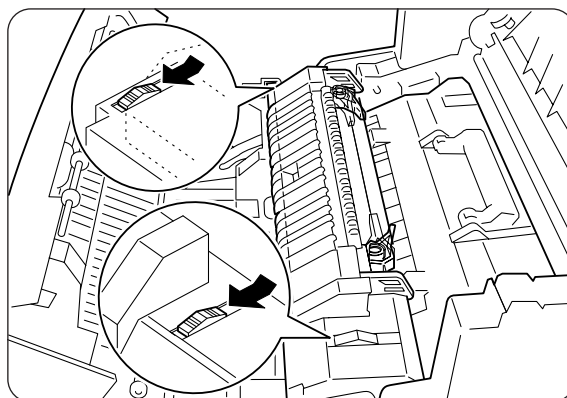
2. Open the paper outlet cover.



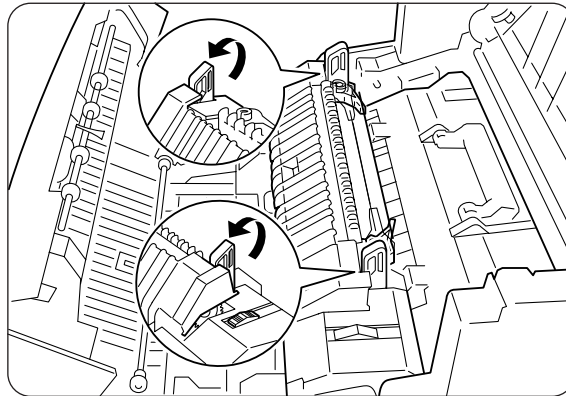
3. Close the front cover.



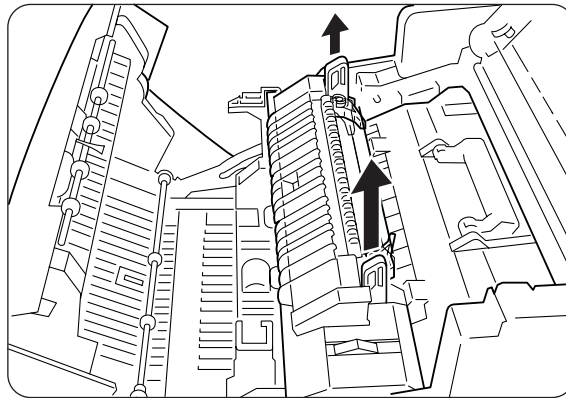
4. Press button 'B' ① and open the upper part of the front cover ②.



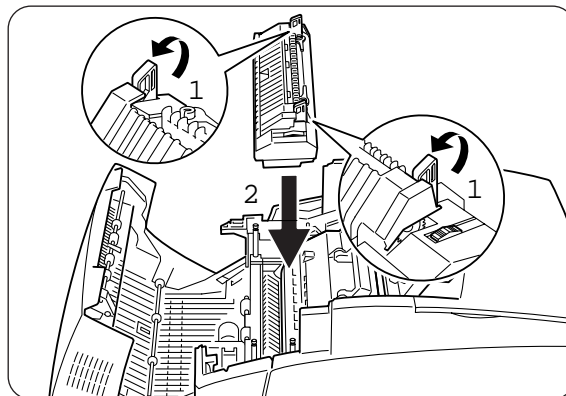
5. Move the slide switches at both ends of the fuser unit forward.



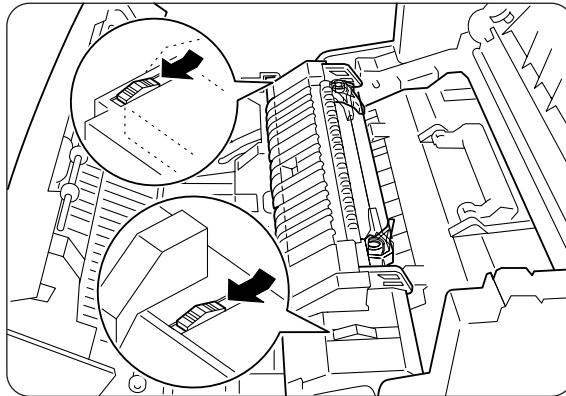
6. Lift up the levers at both ends of the fuser unit.



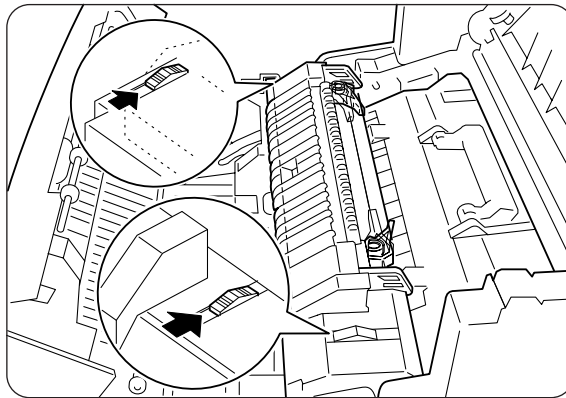
7. Grip the levers and gently lift the fuser unit out of the printer.



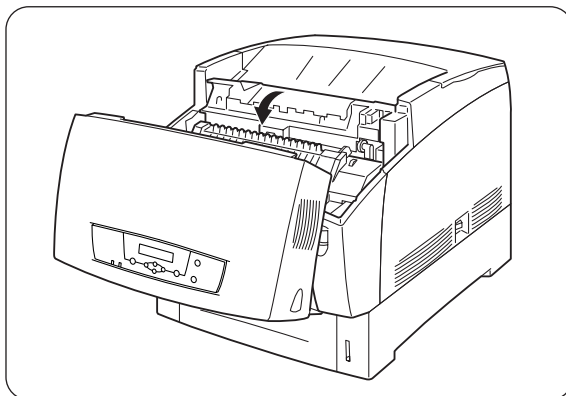
8. Unpack a new fuser unit, lift up the levers at both ends ①, grip the fuser unit by the levers, align it with the slots in the printer, and slowly push it in ②.



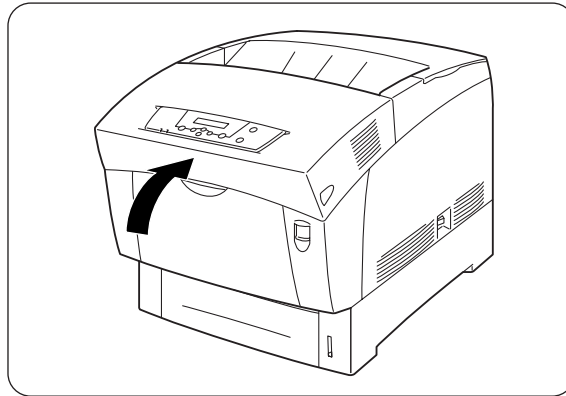
9. Completely push down the levers at both ends of the fuser unit.



10. Move the slide switches at both ends of the fuser unit all the way to the back.



11. Close the paper outlet cover.



12. Close the front cover.

Paper Feed Roller

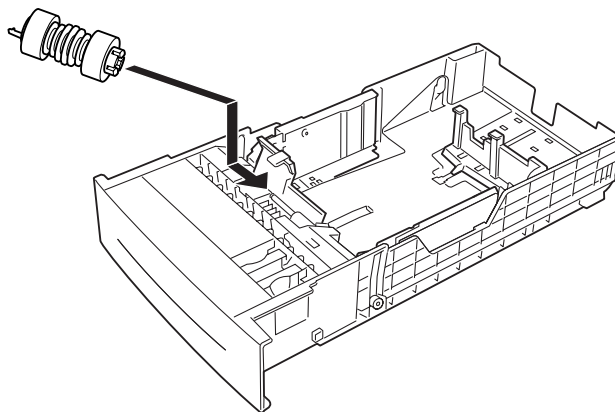
This section describes the procedure for replacing the paper feed roller.

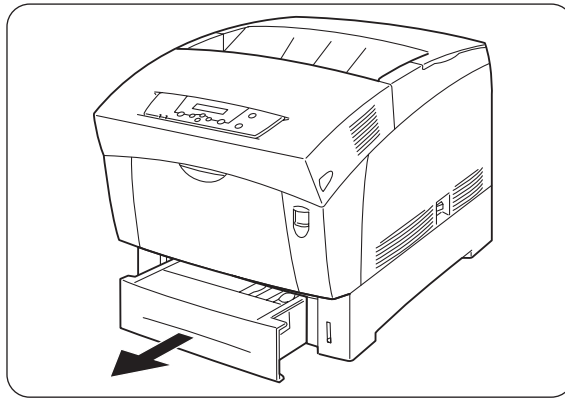


CAUTION: To prevent electric shock, always turn off the printer and disconnect the power cord from the AC outlet before cleaning the printer or performing maintenance procedures.

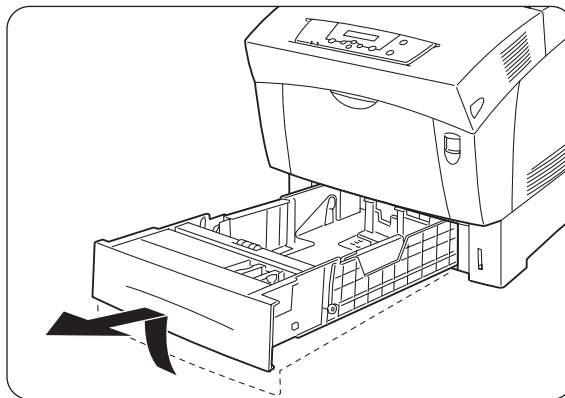
Replacing the Paper Feed Roller

Follow the procedure below to replace the paper feed roller.

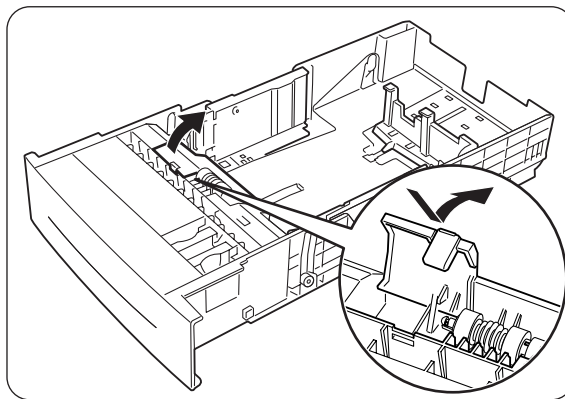




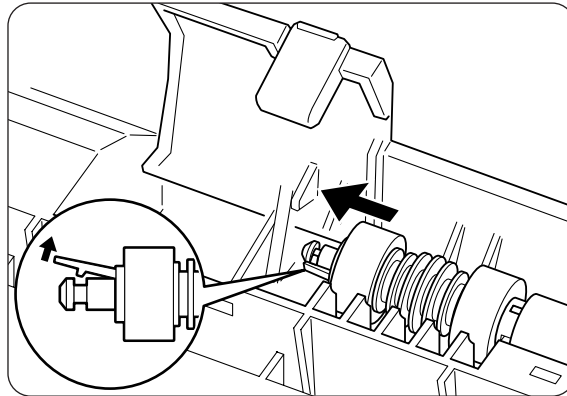
1. Pull the paper tray out of the printer until it stops.



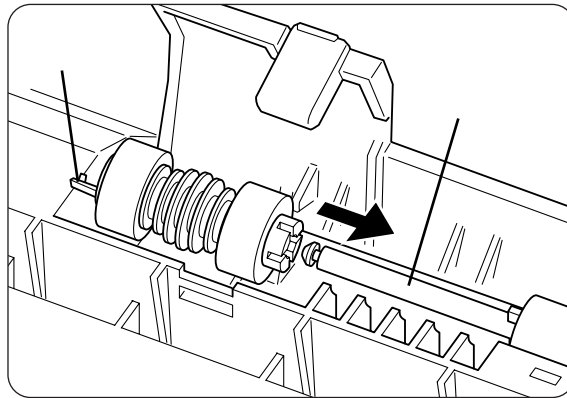
2. Hold the tray with both hands, lift the front slightly, and remove it from the printer.



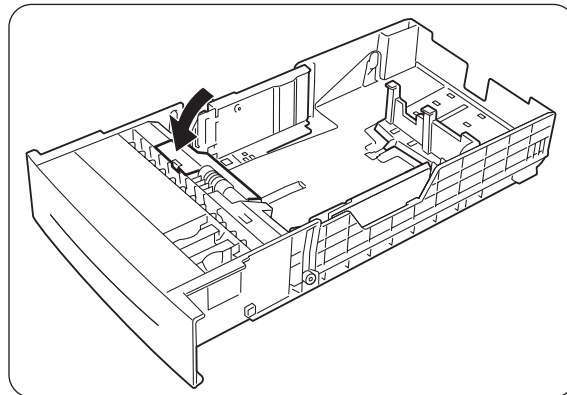
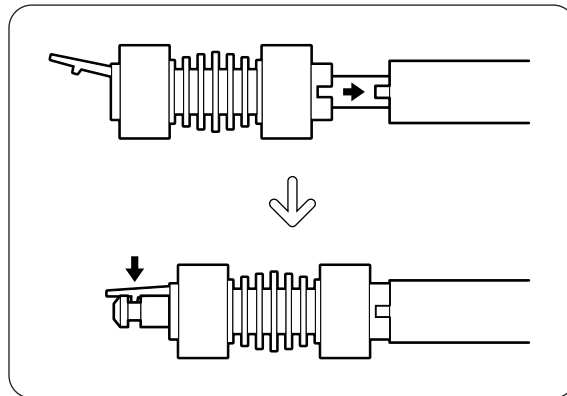
3. Push the tabs of the paper feed roller cover to open the cover.



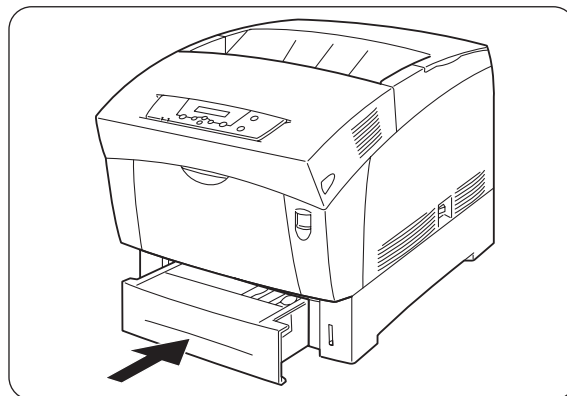
4. Lift the clip at the end of the paper feed roller and remove the paper feed roller.



5. Align the new paper feed roller axis with the shaft in the paper tray as illustrated and slide the shaft through the roller until the clip locks into the groove at the end of the shaft.



6. Close the paper feed roller cover.
7. Hold the paper tray with both hands, align it with the opening in the printer and gently insert it.



8. Push the paper tray completely back into the printer.

NOTE: Do not use excessive force on the paper tray.



Chapter 6

Options

In this Chapter . . .

- “About this Chapter” on page 6-2
- “Options Overview” on page 6-2
- “High Capacity Feeder” on page 6-2

About this Chapter

This chapter describes any available options and the procedures for their installation and removal.

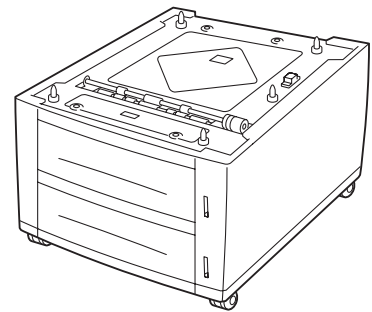
Options Overview

The following optional accessories are available with this printer. To order any of the options, contact your GCC dealer.

High Capacity Feeder

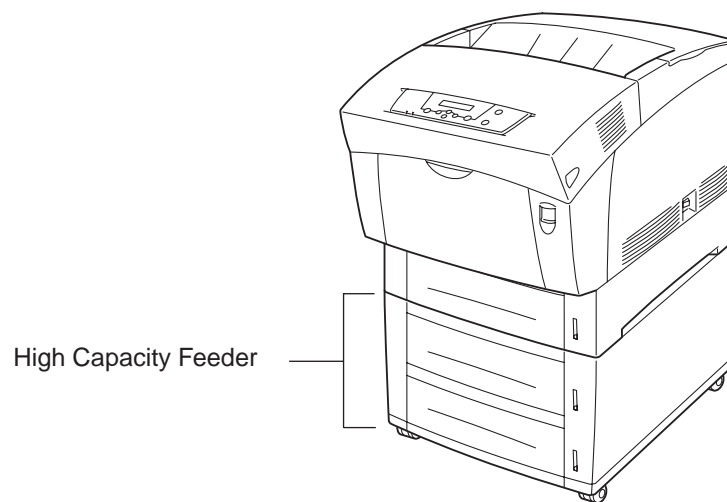
This option allows you to attach an additional 2 trays to the printer. Each tray of the module holds up to 500 sheets of paper. When installed, the trays become the printer's tray 3 and tray 4.

To install the High Capacity Feeder, refer to the following section or to the documentation accompanying the High Capacity Feeder.



High Capacity Feeder

This section describes the procedures for installing and removing the High Capacity Feeder .



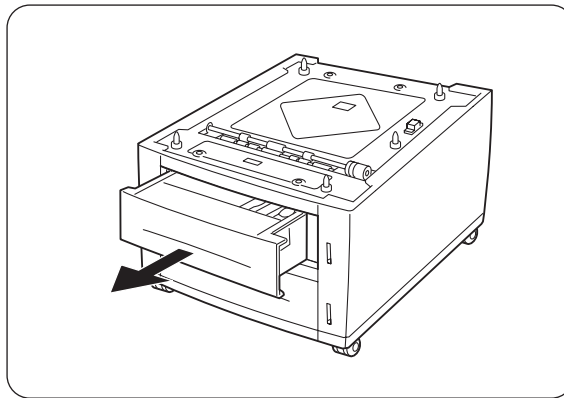
Installing the High Capacity Feeder

Follow the procedure below to install the High Capacity Feeder.

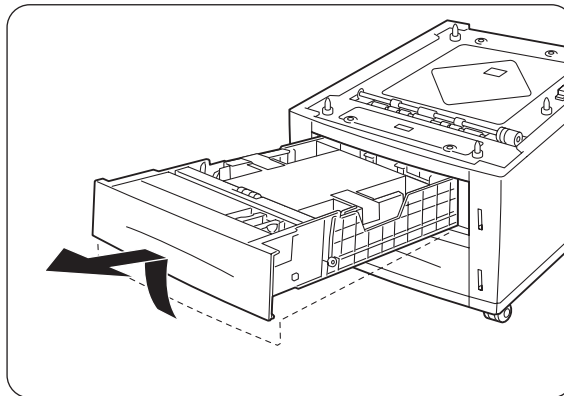


CAUTION: To prevent electric shock, turn off the printer before connecting optional accessories or interface cables.

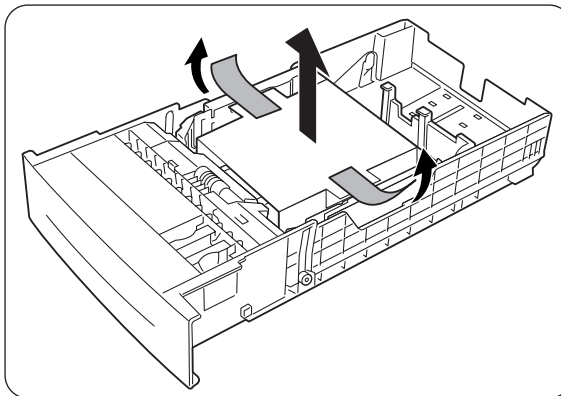
The High Capacity Feeder weighs 40 lbs. (18.5 kg). Make sure that two people carry it. Bend your knees to avoid back injury when lifting the High Capacity Feeder.



1. Gently pull out the upper tray of the High Capacity Feeder until it stops.

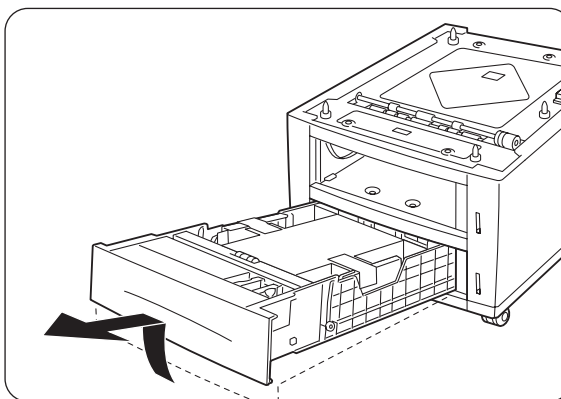


2. Hold the tray with both hands, lift up the front slightly and remove it from the High Capacity Feeder.

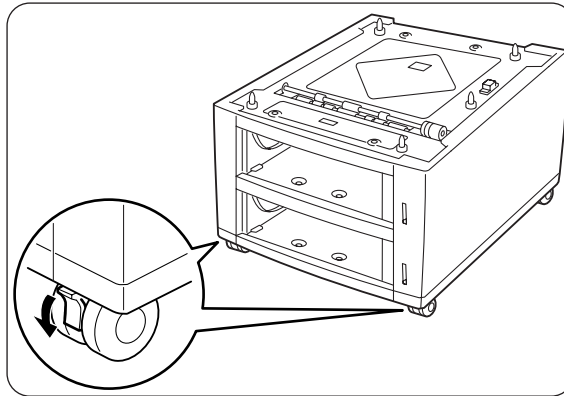


3. Remove the tape from the cardboard spacer in the tray and remove the spacer.

NOTE: Keep the spacer in case you need to transport the printer over long distances in the future.

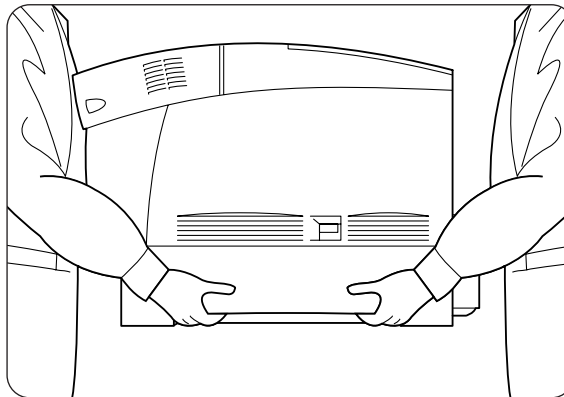


4. Remove the lower tray from the High Capacity Feeder and remove the cardboard spacer from the tray as explained in steps 1-3.



CAUTION: Failure to lock down the brakes can cause the printer to move unexpectedly, resulting in injury.

5. Lock down the brakes of the two casters at the front of the High Capacity Feeder as illustrated on the left



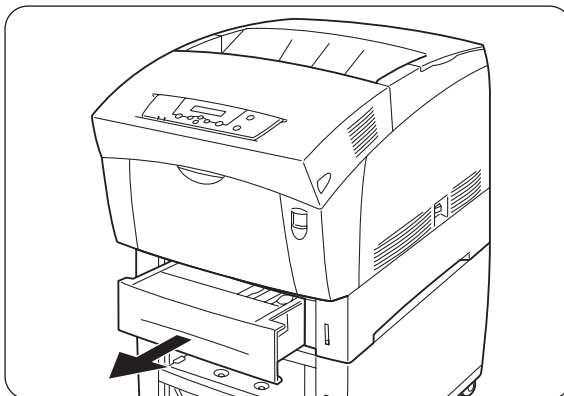
6. Lift the printer and align the five guide pins of the High Capacity Feeder with the holes at the bottom of the printer.
Gently lower the printer onto the High Capacity Feeder.



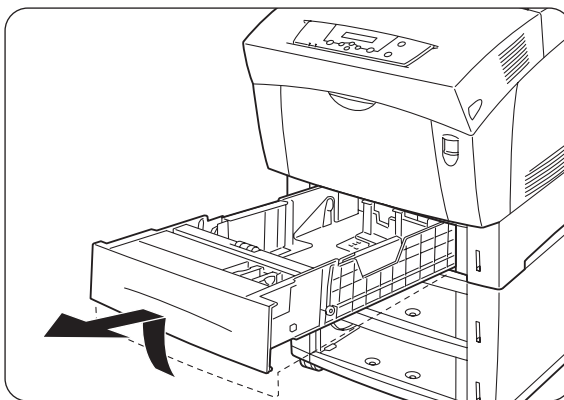
CAUTION: Because the printer weighs 76 lb. (34.5 kg) fully assembled, make sure that at least two people carry it.

To lift the printer, face the front and back of the printer and grip the recessed areas at the bottom left and right with both hands. Never try to lift the printer by gripping any other areas. Lifting the printer by gripping other areas can cause the printer to fall, resulting in injury. Bend your knees when lifting the printer to avoid back injury.

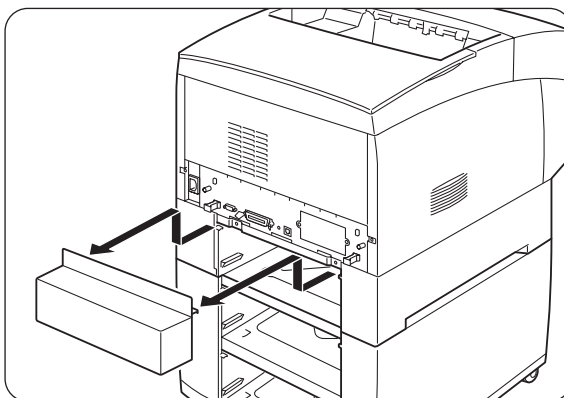
NOTE: Be careful not to pinch your fingers when lowering the printer onto the High Capacity Feeder.



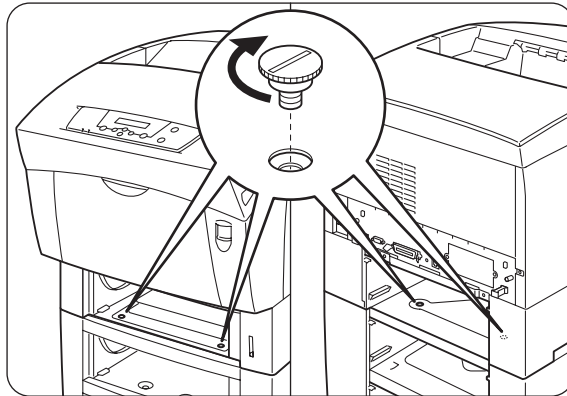
7. Pull the printer's paper tray out until it stops.



8. Hold the tray with both hands, lift the front slightly and remove it from the printer.

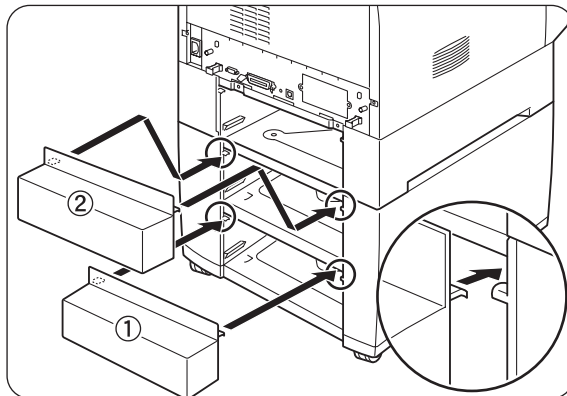


9. Remove the optional tray cover from the printer, if equipped.



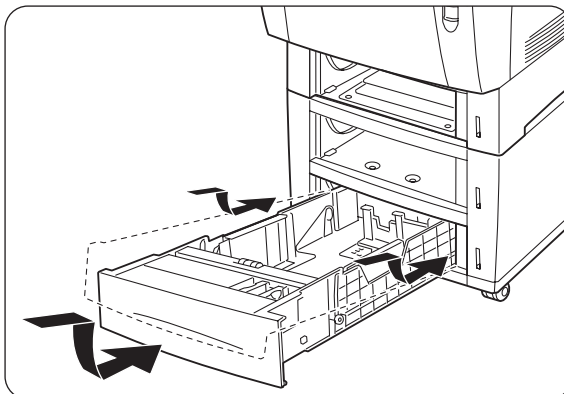
- 10.** Insert the four screws provided into the four holes inside the printer and tighten them with a coin to secure the printer to the High Capacity Feeder.

NOTE: Make sure the screws are firmly tightened.

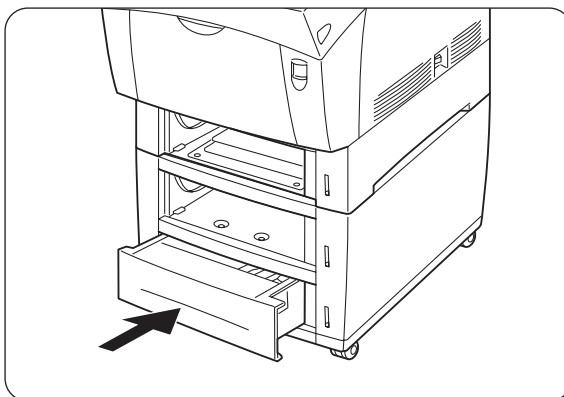


- 11.** Install the tray covers provided with the High Capacity Feeder.

NOTE: Replace the printer's tray cover in the same manner.



- 12.** Insert the High Capacity Feeder's lower paper tray in to the High Capacity Feeder.



- 13.** Push the paper tray until it stops.

NOTE: Do not use excessive force on the paper tray.



- 14.** Replace the High Capacity Feeder's upper paper tray and the printer's paper tray in the same manner.

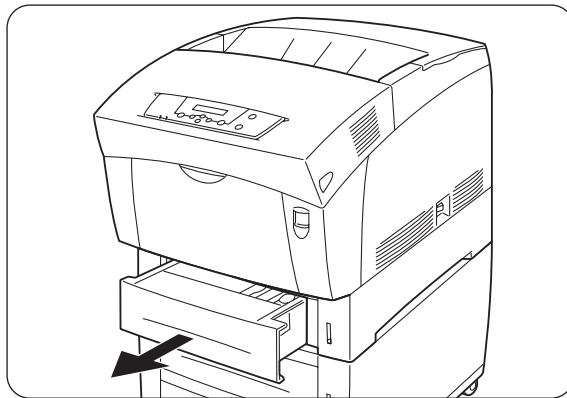
Removing the High Capacity Feeder

Follow the procedure below to remove the High Capacity Feeder.

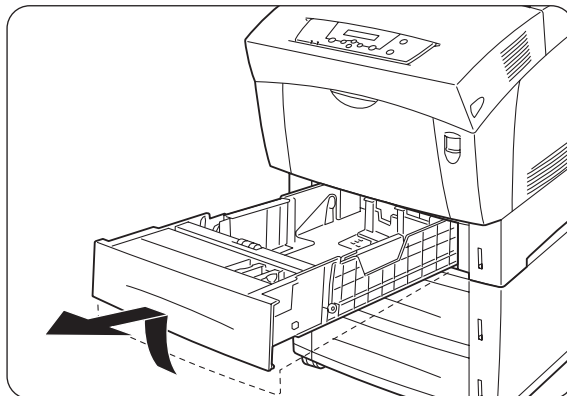


CAUTION: To prevent electric shock, turn off the printer before disconnecting optional accessories or interface cables.

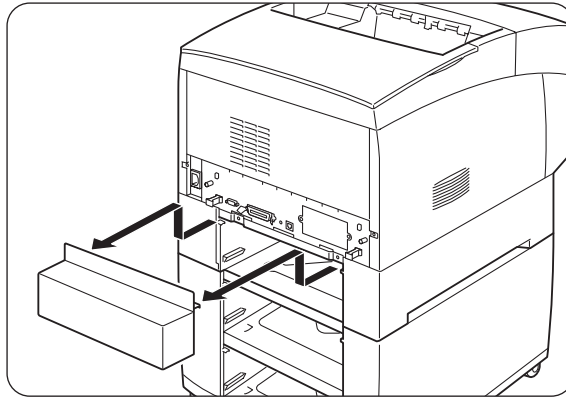
The High Capacity Feeder weighs 40 lb. (18.5 kg). Make sure that two people carry it. Bend your knees to avoid back injury when lifting the High Capacity Feeder.



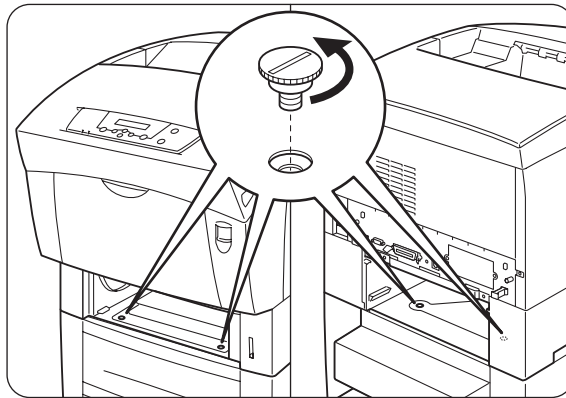
1. Pull the printer's paper tray out until it stops.



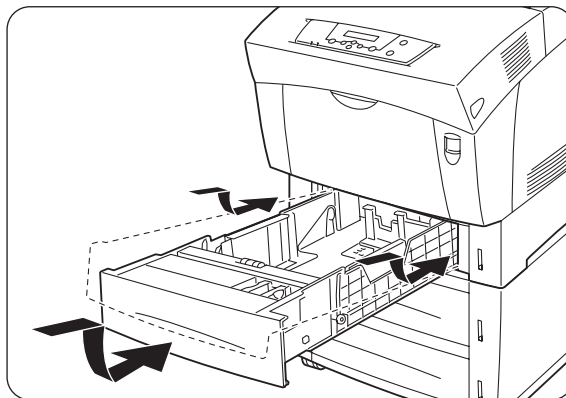
2. Hold the tray with both hands, lift the front slightly and remove it from the printer.



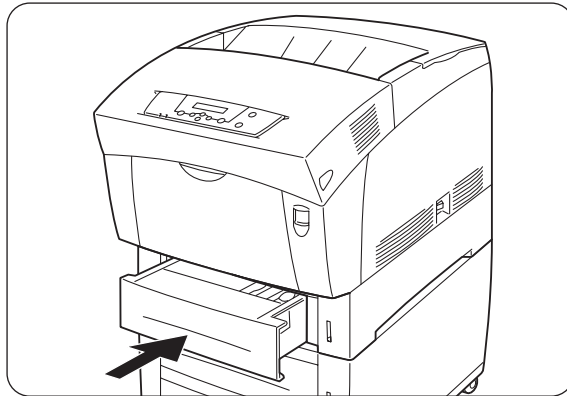
- 3.** Remove the tray cover from the printer.



- 4.** Using a coin, remove the 4 screws inside the printer.

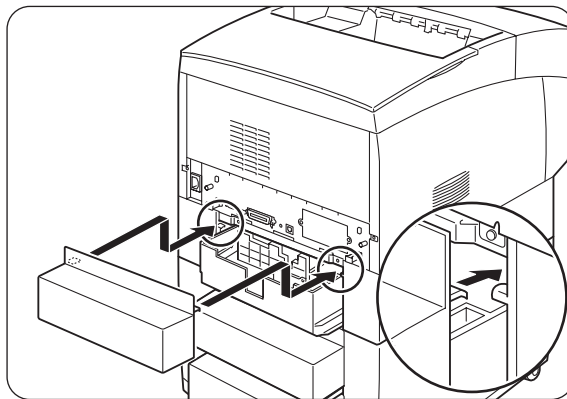


- 5.** Hold the paper tray with both hands, align it with the opening in the printer and gently insert it.

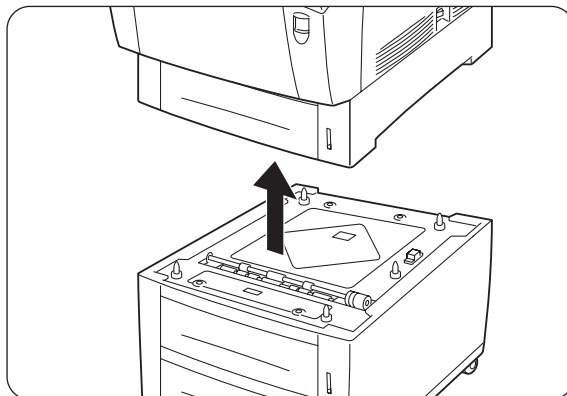


6. Push the paper tray completely back into the printer.

NOTE: Do not use excessive force on the paper tray.



7. Replace the printer's tray cover.



8. Gently lift the printer off the High Capacity Feeder, and place it on a level surface.



CAUTION: Because the printer weighs 76 lb. (34.5) kg fully assembled, make sure that at least two people carry it.

To lift the printer, face the front and back of the printer and grip the recessed areas at the bottom left and right with both hands. Never try to lift the printer by gripping any other areas. Lifting the printer by gripping other areas can cause the printer to fall, resulting in injury.

Bend your knees when lifting the printer to avoid back injury.

NOTE: Be careful not to pinch your fingers when lowering the printer.



Chapter 7

Understanding and Navigating the Control Panel Menus

In this Chapter . . .

- “About this Chapter” on page 7-2
- “Control Panel Features” on page 7-2
- “Navigating the Control Panel Menus” on page 7-5
- “Menu Structure” on page 7-7
- “Paper Menu” on page 7-9
- “Interface Menu” on page 7-11
- “PS Menu” on page 7-14
- “PCL Menu” on page 7-15
- “System Menu” on page 7-18
- “Quality Menu” on page 7-20
- “Color Menu” on page 7-21
- “Functions Menu” on page 7-23

About this Chapter

This chapter explains the control panel and its functions, and also demonstrates how to navigate through the control panel menus and submenus that allow you to view and change the printer settings.

Control Panel Features

The control panel is located on the front of the printer, and contains the display, indicators, and pushbuttons that allow you to view and change the printer settings.

The figure below shows the control panel features.

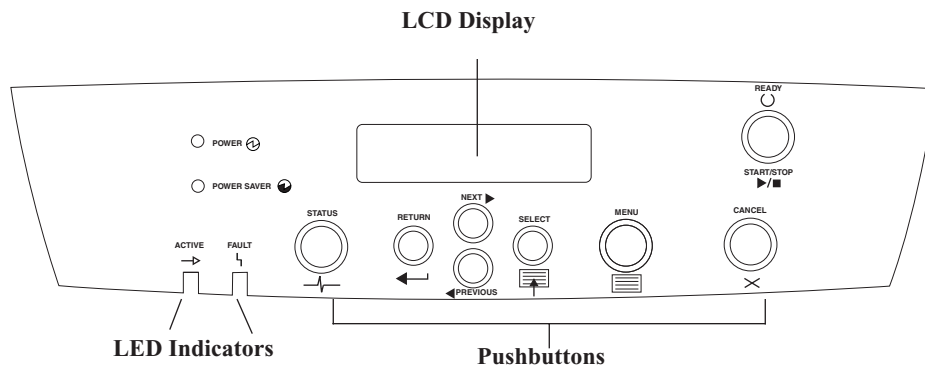







Figure 7-1: Control Panel.

LCD Display

The LCD display shows status and error messages that inform you of the current status of the printer, and also displays menus, submenus, and printer settings when you are in the menu system. The display contains two lines of text, each with a maximum of sixteen characters.







LED Indicators

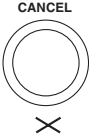
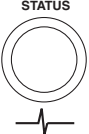
The LED indicators also indicate printer status. The four indicators can each be on, off, or blinking, indicating different phases of printer operation. The table below explains the LED indicators.

LED	COLOR	WHEN OFF	WHEN ON	WHEN BLINKING
READY 	Green	Printer is NOT READY	Printer is READY	N/A
ACTIVE 	Green	Printer is IDLE	Printer is ACTIVE (processing a job)	Printer is WAITING (a partial job has been printed, and the printer is waiting for additional job data)
FAULT 	Red	Printer is not in error mode	There is an error that requires user intervention, such as a paper jam, a service call required, etc.	N/A
POWER 	Red	POWER is off	POWER is on	N/A
POWER SAVER 	Red	Printer not in Power Saver mode	N/A	Power Saver is on

Pushbuttons

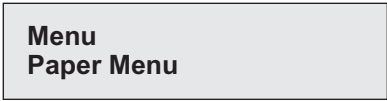
The control panel pushbuttons allow you to access and navigate menus, and also assist you in recovering from printer errors. The table below explains the functions of the eight pushbuttons.

PUSHBUTTON	FUNCTION
 <p>START/STOP ▶/■</p>	START/STOP—Push this button to start or stop the printer, or to exit the menu system.
 <p>MENU</p>	MENU—Push this button to enter the menu system.
 <p>RETURN</p>	RETURN—Push this button to move up one level in the menu structure to the menu shown on the first line of the display.
 <p>NEXT ▶</p>	NEXT—Push this button to move to the next menu, submenu, or setting within the same level of the menu structure.
 <p>◀ PREVIOUS</p>	PREVIOUS—Push this button to return to the previous menu, submenu, or option within the same level of the menu structure.
 <p>SELECT</p>	SELECT—Push this button to select the menu or submenu that is shown on the second line of the display or to choose and save the setting shown on the second line of the display.

PUSHBUTTON	FUNCTION
	CANCEL—Push this button to cancel an action.
	STATUS—Push this button to enter the Status Menu and view the current status of printer.

Navigating the Control Panel Menus

When you press the **MENU** button on the control panel, you enter the printer's menu system. At that point, the first line of the display contains the text "**Menu**", indicating that you are in the menu system. The second line of the display lists the active menu, which you can change by pressing the **NEXT** or **PREVIOUS** button.



If you press the **NEXT** button repeatedly, the second line of the display cycles through the main menus in the following order:

- Paper Menu
- Interface Menu
- PS Menu
- PCL Menu
- System Menu
- Quality Menu
- Color Menu
- Functions

NOTE: Additional menus and submenus may appear in the printer menu system when other options are installed.

The following figure shows the sequence of pushbuttons and display messages that would allow you to change the number of copies printed. This example illustrates the basic relationship between menus and submenus and demonstrates how the **NEXT**, **PREVIOUS**, **SELECT**, and **RETURN** buttons help you to navigate through the menus.

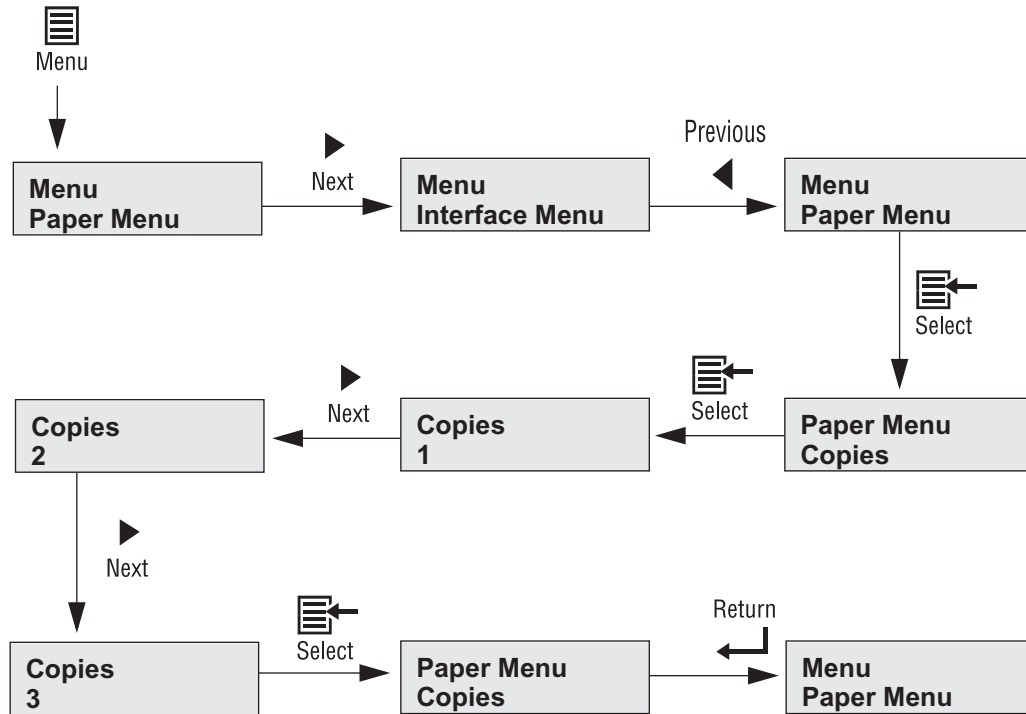


Figure 7-2: Navigating the Paper Menu.

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text “**Paper Menu**” is shown on the second line of the display.
3. Press the **SELECT** button to enter the paper menu.
4. Press the **NEXT** button until the text “**Copies**” is shown on the second line of the display.
5. Press the **SELECT** button to enter the copies submenu.
6. Press the **NEXT** or **PREVIOUS** button to increase or decrease the number of copies printed.
7. Press the **SELECT** button to save this setting.
8. Press the **START/STOP** button to exit the menu system.

Menu Structure

The following figure shows the structure of the control panel main menus and submenus.

Paper Menu <ul style="list-style-type: none">CopiesDuplexDuplex BindDefault SourceManual FeedMedia Size/Type<ul style="list-style-type: none">Tray 1Tray 2Tray 3 (optional)Tray 4 (optional)Tray LinkingBlank PagesTray 1 FirstGloss Level	Interface Menu <ul style="list-style-type: none">Port<ul style="list-style-type: none">ParallelNetwork Card 1USBParallel Setup<ul style="list-style-type: none">InterpreterFormatModeDelay Out CloseNetwork 1 Setup<ul style="list-style-type: none">InterpreterFormatNetwork ChannelNetwork AddressIP AddressSubnet MaskDefault RouterLPD BannerDHCPNetware FrameDelay Out CloseUSB Setup<ul style="list-style-type: none">InterpreterFormatDelay Out Close	PS Menu <ul style="list-style-type: none">Print PS ErrorsManual Feed TO	PCL Menu <ul style="list-style-type: none">OrientationFont SourceFont NumberPitchSymbol SetMacro FilterLines Per PageCR ModeLF ModeFF ModePrint AreaParameter Values<ul style="list-style-type: none">Paper SourcePaper Size
System Menu <ul style="list-style-type: none">Factory DefaultsDisplay LanguageAlarm ControlWait TimeoutJob TimeoutJam RecoveryHex PrintToner OutIntellifilter (*)	Quality Menu <ul style="list-style-type: none">ResolutionToner SaverPrint Density	Color Menu <ul style="list-style-type: none">Screening ModeRendering IntentColor MatchingAlignment	Functions <ul style="list-style-type: none">Reset PrinterPrint DemoPrint SummaryPrint Fonts

Figure 7-3: Printer Menu Structure.

NOTE: (*) Please consult GCC Technical Support for information on use of this feature.

NOTE: Additional menus and submenus may appear in the printer menu system when other options are installed.

Status Menu

In addition to the main menus listed above, the printer also provides a status menu that allows you to view the current printer settings. Push the **STATUS** button to enter the Status Menu.

Status
Tray 1
Media Size
Media Type
Level
Tray 2
Media Size
Media Type
Level
Tray 3 (optional)
Media Size
Media Type
Level
Tray 4 (optional)
Media Size
Media Type
Level
Face Down Tray
Cyan Toner
Magenta Toner
Yellow Toner
Black Toner

Paper Menu

The **Paper Menu** provides access to the printer settings for various paper-handling functions. Use the following procedure to enter the paper menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text "**Paper Menu**" is shown on the second line of the display.
3. Press the **SELECT** button to enter the Paper Menu.
4. Press the **NEXT** button to move through the submenus: **Copies**, **Duplex**, **Duplex Bind**, **Default Source**, **Manual Feed**, **Media Size/Type**, **Tray Linking**, **Blank Pages**, **Tray 1 First**, **Gloss Level** and **Auto Resize**.
5. Use the **NEXT** or **PREVIOUS** buttons to scroll through the available settings, then press the **SELECT** button to save the setting.

Submenus	AvailableSettings (Bold is Default)	Description
Copies	1-999	This submenu allows you to change the number of copies printed.
Duplex	On Off	This submenu allows you to turn the duplex print function on or off.
Duplex Bind	Long Edge Short Edge	This submenu allows you to select duplex bindery.
Default Source	Tray 1 Tray 2 Tray 3 (optional) Tray 4 (optional)	This submenu allows you to choose a default paper source from a list of all installed sources.
Manual Feed	On Off	This submenu allows you to turn the manual feed on or off.

Submenus	Available Settings (Bold is Default)		Description
Media Size/Type	Size Tray 1: A4 , US Letter , JIS B5, Statement, A5, A6, C5 Envelope, DL Envelope, Com10 Envelope, Monarch Envelope, US Executive, US Legal, US Legal 13" <i>Note:</i> there are other available paper sizes for other trays: US Legal, US Legal 13", US Letter, A4, US Executive, JIS B5, A5	Type Tray 1: Plain , Transparency, Prepunched, Letterhead, Colored, Preprinted, Bond, Label, Card Stock, Postcard, Envelope, Thick1, Thick 2, Thick 3 Other Trays: Plain , Transparency, Prepunched, Letterhead, Colored, Preprinted, Bond, Card Stock, Thick 1, Thick 2	This submenu allows you to set the media size and type for Tray 1 and set the media type for all other trays.
Tray Linking	On Off		This submenu allows you to turn the tray linking function on or off.
Blank Pages	Print Do Not Print		This submenu allows you to choose to either print or not print blank pages of a document.
Tray 1 First	On Off		This submenu determines if the printer will look for paper in the Multi-Purpose Feeder (Tray 1) or the standard paper tray (Tray 2) when a job is sent that does not specify a paper source.
Gloss Level	Low High		This menu is used to set the level of gloss in toned areas of printed output. The "Low" setting will produce printed pages with a slight gloss wherever toner is placed. The printer prints at full speed in this mode. The "High" setting causes toned areas to be printed with a higher level of gloss. The printer prints at half speed in this mode.
Auto Resize	On Off		This menu is used to instruct the printer to automatically resize the print job to the selected paper size.

Interface Menu

The **Interface Menu** provides access to the printer interface settings. Use the following procedure to enter the interface menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text “**Interface Menu**” is shown on the second line of the display.
3. Press the **SELECT** button to enter the interface menu.
4. Press the **NEXT** button to move through the submenus: **Port**, **Parallel Setup**, **Network Card Setup** and **USB Setup**.
5. Use the **NEXT** or **PREVIOUS** buttons to scroll through the available settings, then press the **SELECT** button to save the setting.

Submenus	Available Settings (Bold is Default)	Description
Port	Parallel: On, Off Network Card 1: On, Off USB: On, Off	This submenu allows you to enable or disable each individual interface port.
Parallel Setup	Interpreter: Auto Switch PCL PostScript 3 Format: Raw Normal Binary Mode: Bidirectional Standard Delay Out Close: On Off	<p>This submenu allows you to set up the parallel interface.</p> <p>Interpreter determines whether the parallel port will accept only PCL jobs, only PostScript jobs, or both (Auto Switch).</p> <p>Format sets the default data format mode for the parallel port.</p> <p>Mode sets the parallel port to bi-directional or standard.</p> <p>Delay Out Close determines whether the printer immediately closes communication with the computer after the job is transmitted, or waits until the job is processed to do so.</p>

Submenus	Available Settings (Bold is Default)	Description
Network 1 Setup	<p>Interpreter: Auto Switch PCL PostScript 3</p> <p>Format: Raw Normal Binary</p> <p>Network Channel: Netware On DEC LAT On AppleTalk On TCP/IP On</p> <p>Network Address: (factory set)</p> <p>IP Address: (user-specified)</p> <p>Subnet Mask: (user-specified)</p> <p>Default Router: (user-specified)</p> <p>LPD Banner: On Off</p> <p>DHCP: On Off</p> <p>Netware Frame: Auto-Sense, 802.3, Ethernet II, 802.2 SNAP, 802.2,</p> <p>Delay Out Close: Off On</p>	<p>This submenu allows you to set up the Ethernet Network interface.</p> <p>Interpreter determines whether the Ethernet port will accept only PCL jobs, only PostScript jobs, or both (Auto Switch).</p> <p>Format sets the default data format mode for the Ethernet port.</p> <p>Network Channel sets the individual network protocols on or off.</p> <p>Network Address displays the factory-set network address (informational only, cannot be changed).</p> <p>IP Address allows an IP address to be assigned to the printer.</p> <p>Subnet Mask allows a subnet mask to be assigned to the printer.</p> <p>Default Router allows a default network router address to be assigned to the printer.</p> <p>LPD Banner controls whether the printer sends banner information along with LPD print jobs.</p> <p>DHCP sets whether the printer will obtain its IP address from a DHCP server or not.</p> <p>Netware Frame sets the Netware frame type.</p> <p>Delay Out Close determines whether the printer immediately closes communication with the computer after the job is transmitted, or waits until the job is processed to do so.</p>

Submenus	Available Settings (Bold is Default)	Description
USB Setup	Interpreter: Auto Switch PCL PostScript 3 Format: Raw Normal Binary Delay Out Close: Off On	<p>This submenu allows you to set up the USB interface.</p> <p>Interpreter determines whether the USB port will accept only PCL jobs, only PostScript jobs, or both (Auto Switch).</p> <p>Format sets the default data format mode for the USB port.</p> <p>Delay Out Close determines whether the printer immediately closes communication with the computer after the job is transmitted, or waits until the job is processed to do so.</p>

PS Menu

The PS Menu provides access to the PostScript settings. Use the following procedure to enter the PS Menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text “**PS Menu**” is shown on the second line of the display.
3. Press the **SELECT** button to enter the PS menu.
4. Press the **NEXT** button to move through the submenus: **Print PS Errors**, and **Manual Feed TO**.
5. Press the **SELECT** button to enter a submenu.
6. Use the **NEXT** or **PREVIOUS** buttons to scroll through the available settings, then press the **SELECT** button to save the setting.

Submenus	Available Settings (Bold is Default)	Description
Print PS Errors	On Off	This submenu allows you to choose to either print or not print PS errors.
Manual Feed TO	00000 -99999	This submenu allows you to set the manual feed timeout—the number of seconds the printer should wait for a manual feed. A setting of 0 will cause printer to wait indefinitely for a manual feed.

PCL Menu

The **PCL Menu** provides access to the PCL settings. Use the following procedure to enter the PCL menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text "**PCL Menu**" is shown on the second line of the display.
3. Press the **SELECT** button to enter the PCL menu.
4. Press the **NEXT** button to move through the submenus: **Orientation**, **Font Source**, **Font Number**, **Pitch**, **Symbol Set**, **Macro Filter**, **Lines Per Page**, **CR Mode**, **LF Mode**, **FF Mode**, **Print Area**, **Parameter Values**.
5. Press the **SELECT** button to enter a submenu.
6. Use the **NEXT** or **PREVIOUS** buttons to scroll through the available settings, then press the **SELECT** button to save the setting.

Submenus	Available Settings (Bold is Default)	Description
Orientation	Portrait Landscape	This submenu allows you to choose the orientation of the page.
Font Source	Internal	This submenu allows you to choose a font source.
Font Number	Numbers 0-53 (12)	This submenu allows you to set the font number.
Pitch	0.08 - 100.00 (10.00)	This submenu allows you to change the pitch of text.

Submenus	Available Settings (Bold is Default)	Description
Symbol Set	10U:PC-8 CP437 11U:PC-8 D/N 12U:PC-850 17U:PC-852 9T:PC-Turkish 19U:WIN Latin1 9E:WIN Latin2 5T:WIN Latin5 7J:Desk Top 10J:PS Text 13J:Ventura Intl 14J:Ventura US 6J:Microsoft Pub 8M:Math-8 PS:Math 6M:Ventura Math 15U:Pi Font 1U: Legal 1E: ISO4 UK 0U:ISO6 ASCII 0S:ISO11 Swedish 0I:ISO15 Italian 2S:ISO17 Spanish 1G:ISO21 German 0D:ISO60 Norweg. 1F:ISO69 French 9U:WIN3.0 Latin1 8U:Roman 8 0N:ISO 8859-1 2N:ISO 8859-2 5N:ISO 8859-5	This submenu allows you to choose a symbol set.
Macro Filter	On Off	This submenu allows you to turn the macro filter on or off.
Lines Per Page	5-128 (60)	This submenu allows you to change the number of lines per page.
CR Mode	CR = CR CR = CR/LF	This submenu allows you to define the action prompted by a carriage return—a carriage return equals either a carriage return alone, or a carriage return and a line feed together.
LF Mode	LF = LF LF = CR/LF	This submenu allows you to define the action prompted by a line feed—a line feed equals either a line feed alone or a carriage return and a line feed together.
FF Mode	FF = FF FF = CR/FF	This submenu allows you to define the action prompted by a form feed—a form feed equals either a form feed alone or a carriage return and a form feed together.

Submenus	Available Settings (Bold is Default)		Description
Print Area	Normal Expanded		This submenu allows you to set the print area.
Parameter Values	Paper Source: Tray 1(= 0008) Tray 2 (= 0001) Tray 3 (= 0004 - optional tray) Tray 4 (= 0005 - optional tray) Auto-Select (= 0007)	Paper Size: US Executive (= 0001), US Letter (= 0002) , US Legal (= 0003), US Statement (= 0004), US Legal 13" (= 0005), A6 (= 0024), A5 (= 0025), A4 (=0026), JIS B5 (= 0045), Monarch Envelope (= 0080), Com10 Envelope (=0081), DL Envelope (= 0090), C5 Envelope (= 0091)	This submenu allows you to set the default paper source and paper size parameters.

System Menu

The system menu provides access to system settings. Use the following procedure to enter the system menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text “**System Menu**” is shown on the second line of the display.
3. Press the **SELECT** button to enter the system menu.
4. Press the **NEXT** button to move through the submenus: **Factory Defaults, Display Language, Alarm Control, Wait Timeout, Job Timeout, Jam Recovery, Hex Print, Toner Out and Intellifilter.**
5. Press the **SELECT** button to enter a submenu.
6. Use the **NEXT** or **PREVIOUS** buttons to scroll through the available settings, then press the **SELECT** button to save the setting.

Submenus	Available Settings (Bold is Default)	Description
Factory Defaults	U.S. Non-U.S.	This submenu allows you to reset the printer to U.S. or Non-U.S. factory defaults.
Display Language	English Francais (French) Deutsch (German) Italiano (Italian) Espanol (Spanish)	This submenu allows you to change the language of the display messages.
Alarm Control	Single Continuous Off	This submenu allows you to set the alarm control.
Wait Timeout	00000 - 99999 (00020)	This submenu allows you to increase or decrease the length of time (in seconds) that the printer will remain in the waiting state—a job is being processed, no end-of-file has been detected, and there is no more data to process. This setting applies to <i>both PCL and PostScript print jobs</i> .
Job Timeout	00000 -99999	This submenu allows you to increase or decrease the time limit (in seconds) for PostScript jobs. A 0 setting indicates no timeout. This setting applies <i>only to PostScript jobs</i> .
Jam Recovery	On Off	This submenu allows you to turn jam recovery on or off.
Hex Print	On Off	This submenu allows you to print hexadecimal characters.

Submenus	Available Settings (Bold is Default)	Description
Toner Out	Stop Continue	This submenu allows you to specify whether the printer should stop or continue when out of toner..
Intellifilter	On Off	<p>This submenu allows to turn the Intellifilter feature on or off.</p> <p><i>Note:</i> Please consult GCC Technical Support for information on use of this feature.</p>

Quality Menu

The Quality Menu provides access to the printer settings that are related to print quality. Use the following procedure to enter the Quality Menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text “**Quality Menu**” is shown on the second line of the display.
3. Press the **SELECT** button to enter the system menu.
4. Press the **NEXT** button to move through the submenus: **Resolution, Toner Saver and Print Density**.
5. Press the **SELECT** button to enter a submenu.
6. Use the **NEXT** or **PREVIOUS** buttons to scroll through the available settings, then press the **SELECT** button to save the setting.

Submenus	Available Settings (Bold is Default)	Description
Resolution	600 dpi 1200 dpi	This submenu allows you to set the resolution (dpi).
Toner Saver	Off Light Lighter Lightest	This submenu allows you to choose from several toner-saving settings.
Print Density	1-7 (5)	This submenu allows you to specify the print density. 1 represents the lightest print density, while 7 represents the darkest print density.

Color Menu

The Color Menu contains the settings related to the quality of printed color.. Use the following procedure to enter the Color Menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text “**Color Menu**” is shown on the second line of the display.
3. Press the **SELECT** button to enter the system menu.
4. Press the **NEXT** button to move through the submenus: **Screening Mode, Rendering Intent, Color Matching and Alignment**,
5. Press the **SELECT** button to enter a submenu.
6. Use the **NEXT** or **PREVIOUS** buttons to scroll through the available settings, then press the **SELECT** button to save the setting.

Submenus	Available Settings (Bold is Default)	Description
Screening Mode	Enhanced Normal	The screening mode setting determines the method used to produce the various tones to be printed. “Enhanced” screening, the default, which may reproduce finer detail in photographic images. If you experience print quality problems in photographic images, select the "normal" screening. This menu allows you to set the fine detail printing.
Rendering Intent	Photographic Business Graphics Logo Art Proofing	<p>This submenu allows you to choose from several color settings. Depending on the type of printing you do, this setting should be set to an appropriate value</p> <p>Photographic: This setting will print the most realistic photographic images.</p> <p>Business Graphics: This setting is best suited when printing Business Graphics, Presentations, etc. This setting places emphasis on bold, saturated colors.</p> <p>Logo Art: When absolute color fidelity is important, as when corporate logos and the like are being printed, this setting will yield the greatest color fidelity. Colors that not possible to accurately produce will be remapped to the closest possible color.</p> <p>Proofing: This setting is very similar to the Logo Art setting, but the colors will be shifted by the color of the media on which you are printing.</p>

Submenus	Available Settings (Bold is Default)	Description
Color Matching	On Off	<p>This submenu allows you to enable automatic color correction when printer color documents in RGB format.</p> <p>On With this setting set to On, the RGB colors are processed by the printer's internal Color Matching system before being placed on the page. The Rendering Intent menu setting is used to determine the exact color translations performed. This setting will yield printed colors that are as true as possible to what you see on your screen.</p> <p>Off With this setting set to Off, RGB colors are internally converted to their CMYK equivalent and are then placed on the paper. It is possible that the colors that print will be different than what you see on your screen.</p>
Alignment	Alignment Page K-V Adjust: M-V Adjust (600) M-V Adjust (1200) Y-V Adjust (600) Y-V Adjust (1200) C-V Adjust (600) C-V Adjust (1200) M-H Adjust Y-H Adjust C-H Adjust K-H Adj. Tray 1	<p>This submenu allows you to align all four color planes (black, yellow, magenta, cyan) to obtain the best color print quality.</p> <p>Alignment Page: with this setting you can print the alignment page for the proper image positioning. K-V Adjust: to adjust black-ink vertical alignment for all resolutions. M-V Adjust (600) or M-V Adjust (1200): to adjust magenta-ink vertical alignment for 600 or 1200 dpi resolutions. Y-V Adjust (600) or Y-V Adjust (1200): to adjust yellow-ink vertical alignment for 600 or 1200 dpi resolutions. C-V Adjust (600) or C-V Adjust (1200): to adjust cyan-ink vertical alignment for 600 or 1200 dpi resolutions. M-H Adjust: to adjust magenta-ink horizontal alignment. Y-H Adjust: to adjust yellow-ink horizontal alignment. C-H Adjust: to adjust cyan-ink horizontal alignment. K-H Adj. Tray 1: to adjust black-ink horizontal alignment for printing from Tray 1.</p> <ol style="list-style-type: none"> 1. Print the "Alignment Page". 2. Adjust the black ink alignment settings. 3. Print the "Alignment Page". 4. Adjust the color inks alignment settings. <p><i>Note:</i> see "Adjusting Color Registration" section in the Chapter 1 for more information.</p>

Functions Menu

The Functions Menu provides access to several printer functions that can supply you with information about the printer and its settings. Use the following procedure to enter the Functions Menu:

1. Press the **MENU** button on the control panel.
2. Press the **NEXT** button until the text “**Functions Menu**” is shown on the second line of the display.
3. Press the **SELECT** button to enter the system menu.
4. Press the **NEXT** button to move through the available functions: **Reset Printer, Print Demo, Print Summary and Print Fonts**.
5. Use the procedures in the following table to execute the functions:

Functions	Procedure for Executing Function
Reset Printer This function resets the printer.	Press SELECT to reset the printer.
Print Demo This function allows you to print a Demo Page.	Press SELECT to print a Demo Page.
Print Summary This function prints a list of all printer settings.	Press SELECT to print a summary of the printer settings.
Print Fonts This function allows you to print Postscript or PCL font lists.	1. Press NEXT or PREVIOUS to toggle between POSTSCRIPT and PCL. 2. Press SELECT to select and print the specific fonts list.



Chapter 8

Installing Additional Memory

In this Chapter . . .

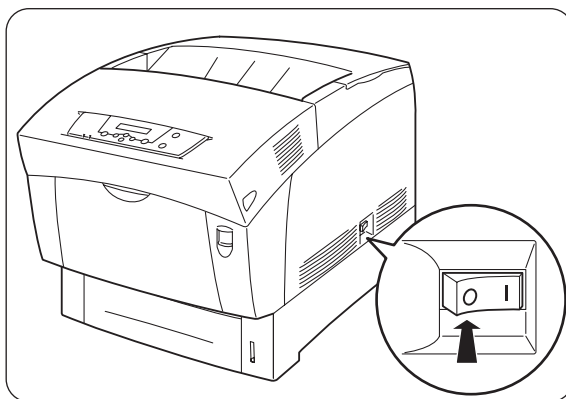
- “About this Chapter” on page 8-2
- “Installing DRAM Memory DIMMS” on page 8-2

About this Chapter

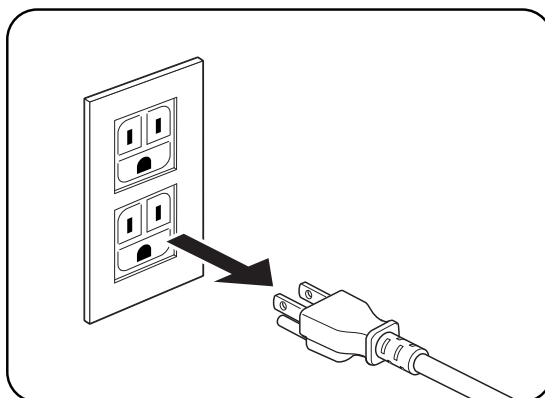
This chapter describes the procedures for installation of additional memory. The printer uses 168-pin, PC133 DRAM memory DIMMs .

Installing DRAM Memory DIMMS

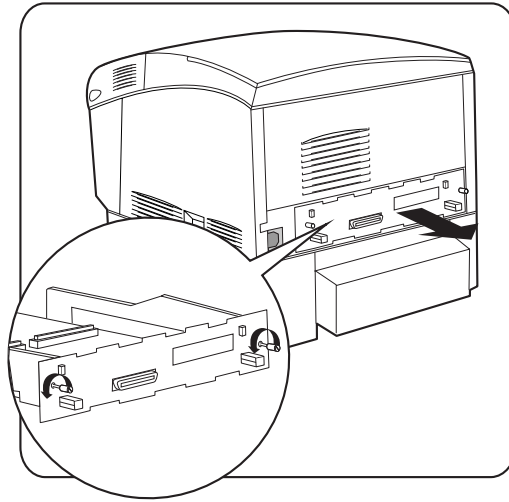
1. Ensure that the printer power switch is set to the OFF [**O**] position.



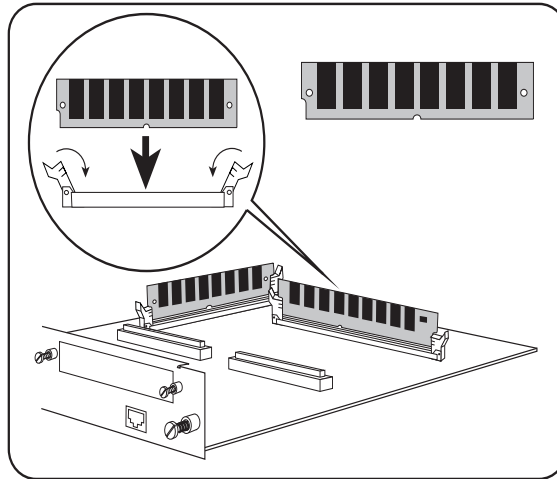
2. Disconnect the power cord from the wall outlet.



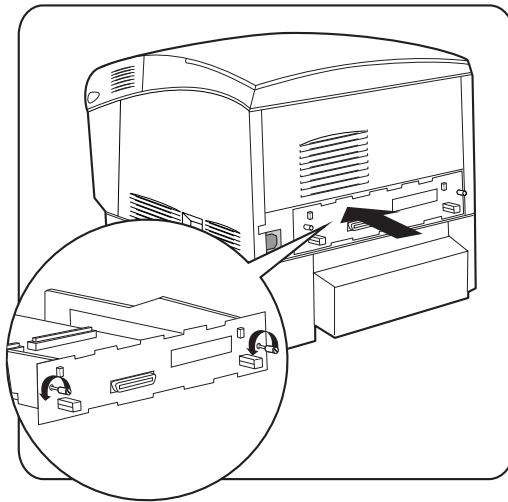
3. Turn thumbscrews on controller assembly counterclockwise until loose and gently pull controller assembly towards you to remove from printer.



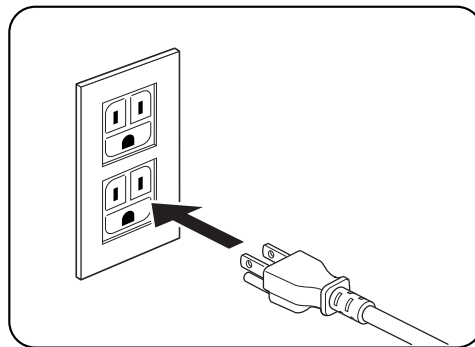
4. Carefully insert a DRAM DIMM which is compatible with your printer into any available DRAM DIMM slot as shown below. When properly seated, gently push down on the DIMM until the white braces close and snap onto the ends of the DIMM.



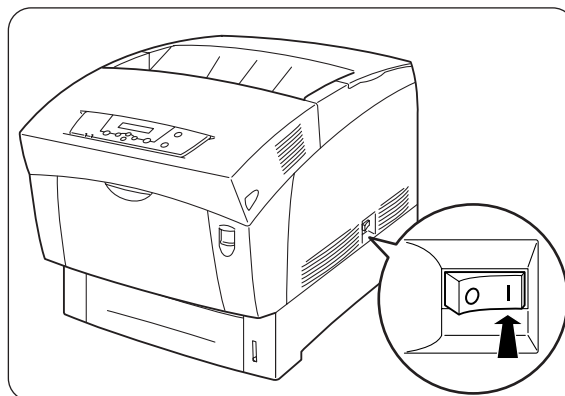
5. Reinstall the controller assembly. Once firmly in place, push and hand tighten the thumb-screws in a clockwise direction.



6. Connect the power cord to the wall outlet.



7. Turn the printer power switch to the ON [I] position.



NOTE: To remove the DRAM DIMM, pull the white braces away from the ends of the DIMM until the DIMM snaps out of the slot.



Appendix A

General Information

In this Chapter . . .

- “About this Appendix” on page A-2
- “Sources of Support” on page A-2
- “GCC Worldwide Offices” on page A-3
- “GCC Part Numbers” on page A-4

About this Appendix

This appendix provides information on how to contact GCC for technical support, service, and repair issues, and also provides part numbers for the printer, options, and consumables.

Sources of Support

There are several sources of Customer Support available to you, depending upon the type of assistance that you need.

Your GCC Vendor

The local vendor that you purchased the printer through may be best equipped to help you with printer problems. Your vendor has specially trained service technicians available to answer questions, and also has equipment that is necessary to analyze printer problems.

Your Application Vendor

Printing problems often have more to do with the application you are using than with the printer itself. Contact the manufacturer of the application in use for assistance in resolving such problems.

Internet

The GCC web site provides access to technical reports, new product announcements, a trade show schedule, and other general information about GCC.

You can access the GCC web site via any one of the many world-wide web browsers available to Internet users. The GCC home page is <http://www.gccprinters.com>.

GCC Technical Support

GCC Technical Support is available via our web site at <http://www.gccprinters.com>, via phone at (781) 276-8620 (US) or fax at (781) 275-1115 (US).

If you call for assistance, have the following information ready so our technicians can help you more quickly—also include this information with any question that you fax to GCC Technical Support:

- Your phone number, fax number, and shipping address
- A description of the problem
- The printer model
- The type of host computer you are using
- The type and version of operating system you are using
- The interface you are using, and, if serial, the protocol
- The application and version you are using
- The emulation you are using
- Your printer firmware version (listed on the status pages)

If possible, print out a Configuration page from the printer and have it on hand when contacting Technical Support.

GCC Service

If you have a hardware problem you cannot resolve, contact GCC Technical Support at (781) 276-8620.

GCC Sales

Printers and printer supplies can be purchased through GCC Direct Sales at 800 422-7777 (U.S./Canada) or by visiting www.gccprinters.com.

GCC Worldwide Offices

GCC Worldwide	
United States	GCC Technologies, Inc. 209 Burlington Rd. Bedford, MA 01730 Telephone: (781) 275-5800 Fax: (781) 275-1115
Australia	GCC Australia 9 Burramine Rd. Glen Waverly 3150 Melbourne, Victoria Telephone: +61 1 800 422 832 Fax: +61 1 300 361 829
Germany	GCC Germany Vertriebsbüro Deutschland Hahnsbuschweg 2-4 D-24147 Klausdorf bei Keil Telephone: +49 431 7997610 Fax: +49 431 7997666
United Kingdom	GCC UK 729 London Rd Hounslow, Middlesex TW3 1SE Telephone: +44 208 754 6000 Fax: +44 208 754 6060.

GCC Part Numbers

Below is a lists of part numbers for the GCC Elite Color 16 printer, options, and consumables. To order parts, contact your local authorized GCC dealer.

Printers

GCC Part Number	Description
LP16700	Elite Color 16 DN Laser Printer, 110v
LP16701	Elite Color 16 DN Laser Printer, 220v

Paper Handling Options

GCC Part Number	Description
AC17112	Elite Color 16 High Capacity Feeder, 500 Sheet (HCF)
AC17110	Elite Color 16 Letter/A4 Replacement Tray

Consumables

GCC Part Number	Description
AC17100	Elite Color 16 Cyan Toner Cartridge
AC17102	Elite Color 16 Magenta Toner Cartridge
AC17104	Elite Color 16 Yellow Toner Cartridge
AC17106	Elite Color 16 Black Toner Cartridge
AC17120	Elite Color 16 Cyan Toner Cartridge, Multipack
AC17122	Elite Color 16 Magenta Toner Cartridge, Multipack
AC17124	Elite Color 16 Yellow Toner Cartridge, Multipack
AC17126	Elite Color 16 Black Toner Cartridge, Multipack
AC17108	Elite Color 16 Drum Cartridge
AC17114	Elite Color 16 Fuser Unit (110v)
AC17116	Elite Color 16 Fuser Unit (220v)
AC17118	Elite Color 16 Transfer Roller Cartridge



Appendix B

Safety Notes and Regulatory Compliance

In this Chapter . . .

- “About this Appendix” on page B-2
- “Safety Notes” on page B-2
- “Regulatory Compliance” on page B-2

About this Appendix

This appendix lists important safety precautions and identifies the applicable regulatory compliances of your printer.

Safety Notes

- Be sure to switch off and unplug the printer before accessing the interior of the printer for cleaning, maintenance, or fault clearance. Accessing the interior of a live machine exposes you to the risk of electric shock.
- Do not place the printer in a hot, humid, dusty, or poorly ventilated environment. Prolonged exposure to these adverse conditions may cause fire or expose you to electric shock.
- The printer is capable of operating normally within the following environmental limits:
 - Temperature range: 50°F -95°F (10°C -35°C)
At high temperatures (95°F /35°C), humidity should be at or below 70%.
 - Humidity range: 15%-85% (no condensation)
At maximum humidity (85%), temperature should be at or below 82°F(28°C).
- Stop operation immediately if your printer produces smoke, excessive heat, unusual noise, or smell. These conditions can indicate or result in a fire. Immediately switch off and unplug the printer, and contact your point of purchase.
- The fuser becomes very hot in normal operation. If a paper jam has occurred, turn the power off and wait at least 10 minutes before removing the drum cartridge and touching the fuser section.

Regulatory Compliance

Safety Compliance

This product conforms the following safety standards:

- UL1950
- CSA C22.2 No. 950
- EN 60950
- IEC 950
- 73/23/EEC

Class 1 Laser Device and CDRH Compliance

This printer is certified as a Class 1 laser product under the U.S. Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control for Health and Safety Act of 1968. This certification indicates that the printer does not emit hazardous laser radiation. Since radiation emitted inside the printer is completely confined within the protective housings and external covers, the laser beam cannot escape from the machine during any phase of user operation.

The Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration implemented regulations for laser products on August 1976. These regulations apply to laser products marketed in the United States. The label on the printer indicates compliance with the CDRH regulations and must be attached to laser products marketed in the United States.

EMC Compliance

Class B Equipment

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

If your machine is a 220-240V model, there is no need to attach a separate earth line since the earth connection is incorporated in the power line. Plug it into a properly rated outlet.

The use of a non-shielded interface cable with the reference devices is prohibited. Shielded interface cables must not exceed the following limitations:

- The length of the IEEE 1284 parallel interface cable must be 50 feet (15 meters) or less.
- The length of the Ethernet interface cable must be 328 feet (100 meters) or less for type 10/100BASE-2 or 185 meters (607 feet) or less for type 10/BASE-T.
- The length of the power cord must be 10 feet (3 meters) or less.

This equipment generates, uses, and can radiate radio frequency energy. If the equipment is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, try to correct the interference using one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment and the receiver to outlets that are on different circuits.
- Consult with the dealer or an experienced radio/television technician to help.
- Always use the power cord provided with your machine. When an extension cord is required, always use a properly rated cord.
- In countries other than the United States, please contact your point of purchase.

Other EMC Standards

This product also conforms to the following EMC standards:

- CNS 13438
- VCCI V-3/97.04
- AS/NZS 3548:1995 including A1:1997 and A2:1997
- EN55022: 1994 including A1:1995 and A2:1997
- FCC Part 15, Subpart B (CFR 47, 1995)
- CISPR22: 1993 including A1:1995 and A2:1996



Appendix C

Printing Font Summaries

In this Chapter . . .

- “About this Appendix” on page C-2
- “Printing a Font Summary” on page C-2
- “PostScript Font Summary” on page C-3
- “PCL Font Summary” on page C-7

About this Appendix

This appendix explains the procedure for printing summaries of PCL or PostScript fonts installed in your printer.

Printing a Font Summary

Your printer has the capability of printing summaries of all installed PCL or PostScript fonts. To print a Font Summary, follow these steps:

1. From the Ready status, press MENU, the control panel display will read:

Menu
Paper Menu

2. Press PREVIOUS or NEXT until the display reads:

Menu
Functions

3. Press SELECT, the display will read:

Functions
Reset Printer

4. Press NEXT or PREVIOUS until the display reads:

Functions
Print Fonts

5. Press SELECT, the display will read:

Print Fonts
PCL Fonts

NOTE: You may toggle between PCL Fonts and PostScript Fonts using the PREVIOUS or NEXT push-buttons.

6. Press SELECT. A multi page Font Summary will print.

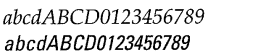
Examples of PCL and PostScript Font Summaries follow.

PostScript Fonts

Font Name	Print Sample
Times-BoldItalic	<i>abcd</i> ABCD0123456789
Univers-Bold	abcd ABCD0123456789
Univers-CondensedBold	abcd ABCD0123456789
AntiqueOlive-Compact	<i>abcd</i> ABCD0123456789
NewCenturySchlbk-BoldItalic	<i>abcd</i> ABCD0123456789
Univers-Oblique	<i>abcd</i> ABCD0123456789
Coronet-Regular	<i>abcd</i> ABCD0123456789
Optima-BoldItalic	<i>abcd</i> ABCD0123456789
Clarendon-Light	<i>abcd</i> ABCD0123456789
Apple-Chancery	<i>abcd</i> ABCD0123456789
Carta	<i>abcd</i> ABCD0123456789
NewYork	<i>abcd</i> ABCD0123456789
Bodoni-BoldItalic	<i>abcd</i> ABCD0123456789
HoeflerText-BlackItalic	<i>abcd</i> ABCD0123456789
Optima-Italic	<i>abcd</i> ABCD0123456789
TimesNewRomanPS-BoldMT	abcd ABCD0123456789
TimesNewRomanPS-BoldItalicMT	<i>abcd</i> ABCD0123456789
GillSans-LightItalic	<i>abcd</i> ABCD0123456789
NewCenturySchlbk-Roman	<i>abcd</i> ABCD0123456789
TimesNewRomanPSMT	<i>abcd</i> ABCD0123456789
Arial-ItalicMT	<i>abcd</i> ABCD0123456789
Helvetica-Bold	abcd ABCD0123456789
GillSans	<i>abcd</i> ABCD0123456789
Bookman-LightItalic	<i>abcd</i> ABCD0123456789
Eurostile-ExtendedTwo	abcd ABCD0123456789
GillSans-Bold	abcd ABCD0123456789
Helvetica-Narrow	<i>abcd</i> ABCD0123456789
Helvetica-Narrow-Oblique	<i>abcd</i> ABCD0123456789
HoeflerText-Black	abcd ABCD0123456789
LubalinGraph-DemiOblique	<i>abcd</i> ABCD0123456789
Optima	<i>abcd</i> ABCD0123456789
Oxford	<i>abcd</i> ABCD0123456789
Univers-BoldExtObli	<i>abcd</i> ABCD0123456789
Univers-CondensedBoldOblique	<i>abcd</i> ABCD0123456789
Optima-Bold	abcd ABCD0123456789
Univers-Extended	<i>abcd</i> ABCD0123456789
Arial-BoldItalicMT	<i>abcd</i> ABCD0123456789
MonaLisa-Recut	<i>abcd</i> ABCD0123456789
AntiqueOlive-Italic	<i>abcd</i> ABCD0123456789
Copperplate-ThirtyThreeBC	ABCD ABCD0123456789
GillSans-BoldCondensed	abcd ABCD0123456789
Helvetica-BoldOblique	<i>abcd</i> ABCD0123456789
Copperplate-ThirtyTwoBC	ABCD ABCD0123456789

PostScript Font Summary (cont'd)

PostScript Fonts

Font Name	Print Sample
Univers-Light	abcdABCD0123456789
Univers-ExtendedObl	abcdABCD0123456789
Times-Roman	abcdABCD0123456789
Goudy-BoldItalic	abcdABCD0123456789
Palatino-BoldItalic	abcdABCD0123456789
AntiqueOlive-Bold	abcdABCD0123456789
Bookman-DemiItalic	abcdABCD0123456789
Chicago	abcdABCD0123456789
Univers-BoldOblique	abcdABCD0123456789
Eurostile-BoldExtendedTwo	abcdABCD0123456789
LubalinGraph-Demi	abcdABCD0123456789
AvantGarde-DemiOblique	abcdABCD0123456789
LetterGothic-Slanted	abcdABCD0123456789
AlbertusMT-Italic	abcdABCD0123456789
Eurostile	abcdABCD0123456789
GillSans-ExtraBold	abcdABCD0123456789
ArialMT	abcdABCD0123456789
Goudy-Bold	abcdABCD0123456789
AntiqueOlive-Roman	abcdABCD0123456789
CooperBlack	abcdABCD0123456789
Univers-LightOblique	abcdABCD0123456789
Arial-BoldMT	abcdABCD0123456789
Helvetica-Condensed	abcdABCD0123456789
HoeflerText-Italic	abcdABCD0123456789
Eurostile-Bold	abcdABCD0123456789
AvantGarde-BookOblique	abcdABCD0123456789
AvantGarde-Demi	abcdABCD0123456789
HoeflerText-Regular	abcdABCD0123456789
JoannaMT-Italic	abcdABCD0123456789
LubalinGraph-BookOblique	abcdABCD0123456789
NewCenturySchlbk-Italic	abcdABCD0123456789
Bodoni	abcdABCD0123456789
GillSans-Light	abcdABCD0123456789
Helvetica-Condensed-Bold	abcdABCD0123456789
LetterGothic	abcdABCD0123456789
Monaco	abcdABCD0123456789
Palatino-Italic	abcdABCD0123456789
Univers-CondensedOblique	abcdABCD0123456789
Palatino-Roman	abcdABCD0123456789
Goudy-Italic	abcdABCD0123456789
ZapfChancery-MediumItalic	abcdABCD0123456789
JoannaMT-Bold	abcdABCD0123456789
ZapfDingbats	

PostScript Fonts

Font Name	
CooperBlack-Italic	abcdABCD0123456789
Times-Bold	abcdABCD0123456789
Palatino-Bold	abcdABCD0123456789
Univers-Condensed	abcdABCD0123456789
Marigold	<i>abcdABCD0123456789</i>
Bookman-Light	abcdABCD0123456789
Helvetica	abcdABCD0123456789
Helvetica-Condensed-Oblique	<i>abcdABCD0123456789</i>
Bodoni-Poster	abcdABCD0123456789
Geneva	abcdABCD0123456789
Courier	abcdABCD0123456789
HoeflerText-Ornaments	  
LetterGothic-BoldSlanted	<i>abcdABCD0123456789</i>
Tekton	<i>abcdABCD0123456789</i>
Helvetica-Narrow-BoldOblique	abcdABCD0123456789
Wingdings-Regular	
Univers-BoldExt	abcdABCD0123456789
AlbertusMT-Light	abcdABCD0123456789
NewCenturySchlbk-Bold	abcdABCD0123456789
Bodoni-Bold	abcdABCD0123456789
Goudy-ExtraBold	abcdABCD0123456789
TimesNewRomanPS-ItalicMT	<i>abcdABCD0123456789</i>
Courier-BoldOblique	<i>abcdABCD0123456789</i>
LubalinGraph-Book	abcdABCD0123456789
Courier-Bold	abcdABCD0123456789
Bodoni-PosterCompressed	abcdABCD0123456789
GillSans-BoldItalic	<i>abcdABCD0123456789</i>
LetterGothic-Bold	abcdABCD0123456789
Helvetica-Narrow-Bold	abcdABCD0123456789
StempelGaramond-Bold	abcdABCD0123456789
StempelGaramond-BoldItalic	<i>abcdABCD0123456789</i>
Times-Italic	<i>abcdABCD0123456789</i>
JoannaMT	abcdABCD0123456789
StempelGaramond-Roman	abcdABCD0123456789
JoannaMT-BoldItalic	<i>abcdABCD0123456789</i>
AvantGarde-Book	abcdABCD0123456789
Clarendon	abcdABCD0123456789
Helvetica-Oblique	<i>abcdABCD0123456789</i>
Univers	abcdABCD0123456789
Bodoni-Italic	<i>abcdABCD0123456789</i>
Goudy	abcdABCD0123456789
GillSans-Condensed	abcdABCD0123456789
Courier-Oblique	<i>abcdABCD0123456789</i>

PostScript Font Summary (cont'd)

























































PostScript Fonts




<i>Font Name</i>	<i>Print Sample</i>
AlbertusMT	abcdABCD0123456789
Bookman-Demi	abcdABCD0123456789
Clarendon-Bold	abcdABCD0123456789
GillSans-Italic	<i>abcdABCD0123456789</i>
Helvetica-Condensed-BoldObl	<i>abcdABCD0123456789</i>
StempelGaramond-Italic	<i>abcdABCD0123456789</i>
Symbol	αβχδABXΔ0123456789

PCL Font Summary

PCL FONTS

Internal Scalable Typefaces and Bitmapped Fonts

Typeface	Pitch/Point	Escape Sequence	Font #	Font ID
Courier	Scale	<esc>{  }<esc>{s0p  h0s0b4099T	I 000	
Times	Scale	<esc>{  }<esc>{s1p  v0s0b4101T	I 001	
Times Bold	Scale	<esc>{  }<esc>{s1p  v0s3b4101T	I 002	
<i>Times Italic</i>	Scale	<esc>{  }<esc>{s1p  v1s0b4101T	I 003	
Times Bold Italic	Scale	<esc>{  }<esc>{s1p  v1s3b4101T	I 004	
Omega	Scale	<esc>{  }<esc>{s1p  v0s0b4113T	I 005	
Omega Bold	Scale	<esc>{  }<esc>{s1p  v0s3b4113T	I 006	
<i>Omega Italic</i>	Scale	<esc>{  }<esc>{s1p  v1s0b4113T	I 007	
Omega Bold Italic	Scale	<esc>{  }<esc>{s1p  v1s3b4113T	I 008	
<i>Coronel</i>	Scale	<esc>{  }<esc>{s1p  v1s0b4116T	I 009	
Clarendon	Scale	<esc>{  }<esc>{s1p  v4s3b4140T	I 010	
Univers Medium	Scale	<esc>{  }<esc>{s1p  v0s0b4148T	I 011	
Univers Bold	Scale	<esc>{  }<esc>{s1p  v0s3b4148T	I 012	
<i>Univers Italic</i>	Scale	<esc>{  }<esc>{s1p  v1s0b4148T	I 013	
Univers Bold Italic	Scale	<esc>{  }<esc>{s1p  v1s3b4148T	I 014	
Univers Medium Condensed	Scale	<esc>{  }<esc>{s1p  v4s0b4148T	I 015	
Univers Bold Condensed	Scale	<esc>{  }<esc>{s1p  v4s3b4148T	I 016	
<i>Univers Medium Condensed Italic</i>	Scale	<esc>{  }<esc>{s1p  v5s0b4148T	I 017	
Univers Bold Condensed Italic	Scale	<esc>{  }<esc>{s1p  v5s3b4148T	I 018	
Antique Olive	Scale	<esc>{  }<esc>{s1p  v0s0b4168T	I 019	
Antique Olive Bold	Scale	<esc>{  }<esc>{s1p  v0s3b4168T	I 020	
<i>Antique Olive Italic</i>	Scale	<esc>{  }<esc>{s1p  v1s0b4168T	I 021	
Garamond Antiqua	Scale	<esc>{  }<esc>{s1p  v0s0b4197T	I 022	
Garamond Halbfett	Scale	<esc>{  }<esc>{s1p  v0s3b4197T	I 023	
<i>Garamond Kursiv</i>	Scale	<esc>{  }<esc>{s1p  v1s0b4197T	I 024	
Garamond Kursiv Halbfett	Scale	<esc>{  }<esc>{s1p  v1s3b4197T	I 025	
<i>Marigold</i>	Scale	<esc>{  }<esc>{s1p  v0s0b4297T	I 026	
Albertus Medium	Scale	<esc>{  }<esc>{s1p  v0s1b4362T	I 027	

 Pitch: .10 - 576  Symbol set  Point size: .25 - 999.75
See your Printer User's Manual for more information.

PCL Font Summary (cont'd)

PCL FONTS

Albertus Extra Bold	Scale	<esc>{<esc>(s1p0s4b4362T	I 028
Arial	Scale	<esc>{<esc>(s1p0s0b16602T	I 029
Arial Bold	Scale	<esc>{<esc>(s1p0s3b16602T	I 030
<i>Arial Italic</i>	Scale	<esc>{<esc>(s1p1s0b16602T	I 031
Arial Bold Italic	Scale	<esc>{<esc>(s1p1s3b16602T	I 032
Times New	Scale	<esc>{<esc>(s1p0s0b16901T	I 033
Times New Bold	Scale	<esc>{<esc>(s1p0s3b16901T	I 034
<i>Times New Italic</i>	Scale	<esc>{<esc>(s1p1s0b16901T	I 035
Times New Bold Italic	Scale	<esc>{<esc>(s1p1s3b16901T	I 036
ABXΔEφγηιφΥ'≥×ð÷≈ Σ#3 Symbol	Scale	<esc>{19M<esc>(s1p1s3b16686T	I 037
Wingdings Regular	Scale	<esc>{579L<esc>(s1p1s3b31402T	I 038
Courier Bold	Scale	<esc>{<esc>(s0p0h0s3b4099T	I 039
<i>Courier Italic</i>	Scale	<esc>{<esc>(s0p1h1s0b4099T	I 040
Courier Bold Italic	Scale	<esc>{<esc>(s0p1h1s3b4099T	I 041
Letter Gothic	Scale	<esc>{<esc>(s0p0h0s0b4102T	I 042
Letter Gothic Bold	Scale	<esc>{<esc>(s0p0h0s3b4102T	I 043
<i>Letter Gothic Italic</i>	Scale	<esc>{<esc>(s0p1h1s0b4102T	I 044
ABCEfghijjÅÄ°ÇÑ;çE\$£\$@°~^{}~123 Line Printer	17,0/8,5	<esc>{8U<esc>(s0p17,0h8,5v0s0b0T	I 045
ABCEfghijj;ç~^{}~123 Line Printer	17,0/8,5	<esc>{0N<esc>(s0p17,0h8,5v0s0b0T	I 046
ABCEfghijjç ~^{}~123 Line Printer	17,0/8,5	<esc>{10U<esc>(s0p17,0h8,5v0s0b0T	I 047
ABCEfghijjç ~^{}~123 Line Printer	17,0/8,5	<esc>{11U<esc>(s0p17,0h8,5v0s0b0T	I 048
ABCEfghijjç ~^{}~123 Line Printer	17,0/8,5	<esc>{12U<esc>(s0p17,0h8,5v0s0b0T	I 049
ABCEfghijj # \$ % ° ~ ^ { } ~ 123 Line Printer	17,0/8,5	<esc>{1U<esc>(s0p17,0h8,5v0s0b0T	I 050

Pitch: .10 - 576 Symbol set Point size: .25 - 999.75
See your Printer User's Manual for more information.



Appendix D

Notes on Matching Printed Colors with Display Colors

In this Chapter . . .

- ¥ [About this Appendix](#) on page D-2
- ¥ [Printed Colors vs. Display Colors](#) on page D-2
- ¥ [Options for Color Matching](#) on page D-2

About this Appendix

This appendix provides information on how to account for differences in the way color output appears when printed by a color laser printer as opposed to how the same output appears when displayed on a monitor, projector, etc.

Printed Colors vs. Display Colors

WYSISYG (what you see is what you get) isn't always the case when dealing with color printing. Matching the color displayed on your monitor exactly to the color that prints on your output can be a difficult task. Why? Because there are technological differences between the way devices recognize and render color. An example of where this might present a problem is during the creation of a slide presentation that will be projected from a laptop to an audience who has printed copies of the presentation.

Color displayed by monitors or projectors are created by adding together red, green and blue light. When the colors are blended, they become brighter.

Color printed on a page is created by combining cyan, magenta, yellow, and black toner. To get a lighter color, use less combinations of the toners.

The simple fact is that not all colors can be represented by both media.

Options for Color Matching

We suggest the following options for achieving as close of a match as possible:

Option 1 — Select a color that is closest to the result you want in both medias

Some ranges of color tend to be easier to represent while others can be almost impossible to match (FYI — darker shades of blue tend to cause much difficulty). Follow these simple steps to achieve the best possible color match:

Step 1:

Print out the standard color selector from the Elite 16 Series installation software and documentation CD (located in the Manuals folder, file named "Standard Color Selector.ppt"). Print this file to your Elite Color 16 Series printer using the same paper you will use for the printed presentations (paper quality and whiteness can make a big difference.)

Step 2:

Take the printed color selector and compare it to the one displayed on your screen. Try to find a color block on the display that is closest to what you'd like to see on the screen. Then look at the corresponding (same row and column) color block on the printed output. If you feel the match is not good enough, select another color block and run through the process again until you find a screen/printout match you are happy with.

Option 2 — Produce two versions of your work

Sometimes it is just too hard to pick a single color from the standard color selector that looks good enough on both the display and printed page. Another option you have is to create two versions of your work.

Step 1:

Make sure you are done making changes to your work. Save file with color selections for display purposes. Be sure to include some type of descriptive information in the file name (i.e. presentation for display.ppt).

Step 2:

From the file menu select "Save As" and create a second copy of the file with a new name (i.e. presentation for printing.ppt). Print out the standard color selector from the Elite 16DN installation software and documentation CD (file named "Standard Color Selector.ppt"). From this printed document select the color you feel best matches what you see on your display and save the file with those color selections.

IMPORTANT: Remember you now have one version of your work for display purposes and a second version for printing.



Appendix E

Warranties and Licenses

In this Chapter . . .

- “About this Appendix” on page E-2
- “Software License Agreement” on page E-2
- “Limited Hardware/Software Warranty” on page E-3

About this Appendix

This appendix contains the Software License Agreement and Limited Warranty information for the Elite Color 16 Series printer.

Software License Agreement

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